

Manufacturers Record

Exponent of America



\$6.50 per Year.
Single Copy, 20 Cents.

Baltimore, Md.
JUNE 19, 1924

Some Facts of Striking Interest.

In 1922 the South, with a population of 37,500,000, expended on public school education \$323,067,000, which was \$107,000,000 more than the United States expended for similar purposes in 1900.

The expenditure of the South for public school work in 1922 was only about 15 per cent less than the total spent for the same purpose by the entire country as late as 1908.

The deposits in all national, state and private banks in the South jumped from \$680,000,000 in 1900 to \$6,500,000,000 in 1923, or nearly as much as the total deposits in all financial institutions in the United States in 1900.

The value of manufactured products of the South in 1921, the latest available Census figures, was \$6,877,000,000, which was more than four times the value of 1900 and twice as great as 1910.

The cotton mill capital of the South exceeds \$1,000,000,000, as compared with \$361,000,000 in 1910, and is greater than the total capital thus invested in the United States in 1910.

The value of the mineral products of the South rose from \$369,000,000 in 1910 to \$1,489,000,000 in 1922.

In 1922 the South mined 188,900,000 tons of coal, which is more than three times its coal output in 1900.

The South produced in 1923 362,000,000 barrels of petroleum, which is 150,000,000 barrels more than the United States produced as late as 1910.

The value of the farm crops of the South in 1923 amounted to \$6,127,400,000, or \$1,400,000,000 more than the total value of farm products in the United States in 1900.

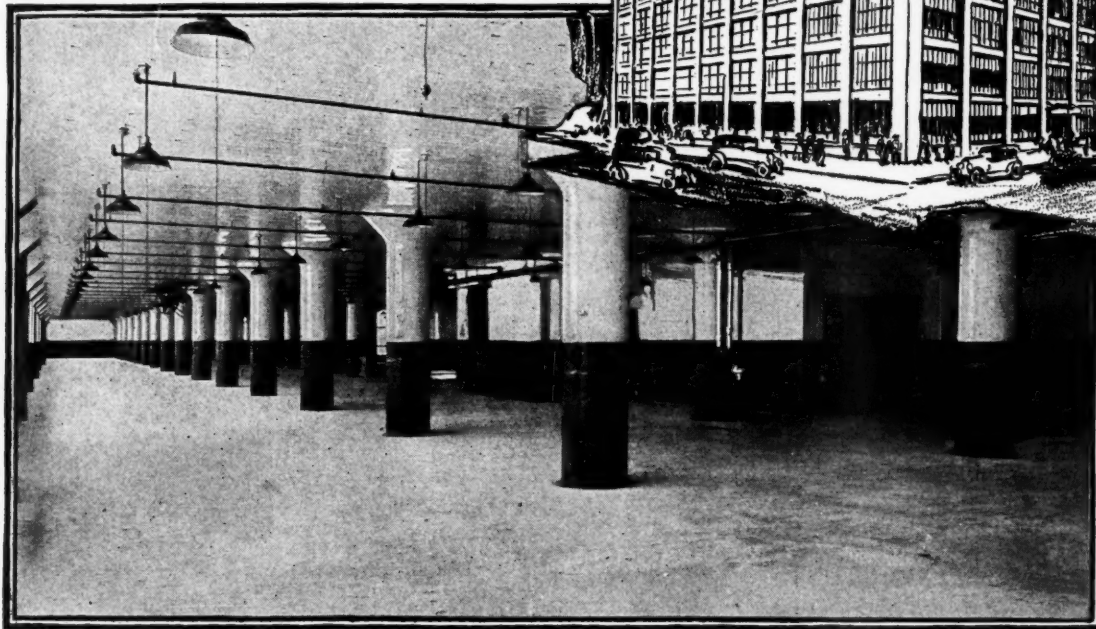
The foregoing facts, and others in this summary, are gathered from "The Blue Book of Southern Progress," 1924 edition, which has just been issued by the Manufacturers Record. In that publication a thousand and one facts of vital interest to the South and to the nation are to be found. Here, for instance, is the showing in regard to the foreign stock population in the South in contrast with the rest of the country:

The lowest proportion of foreign stock in any section of the country is in the East South-Central States of Kentucky, Tennessee, Alabama and Mississippi, with only 3 per cent foreign stock and only .8 per cent of this foreign born. The South Atlantic States have 6 per cent foreign stock and 2.1 per cent foreign born, while the West South-Central States of Arkansas, Louisiana, Oklahoma, Texas and Missouri have 13.5 per cent of foreign stock and only 4.7 per cent foreign born.

In New England, on the contrary, over 60 per cent of the population is of foreign stock and 25.3 per cent is foreign born. In the Middle Atlantic States over 53 per cent is of foreign stock and over one-fifth is foreign born. In the East North-Central States over 42 per cent is foreign stock, and in the West Central States and on the Pacific Coast about 44 per cent is foreign stock.

Only about one-fifth of the population of New York city and Chicago is of native white ancestry; that is, descendants of native white American father and mother. Rhode Island leads in foreign stock with 69 per cent, followed by Massachusetts with 66 per cent, while North Carolina has only .7 of 1 per cent, or the lowest in the Union of foreign stock to total population. South Carolina has 1 per cent; Georgia, 1.6 per cent; Mississippi, 1.5 per cent; Alabama, 2.2 per cent; and Virginia, 3 per cent.

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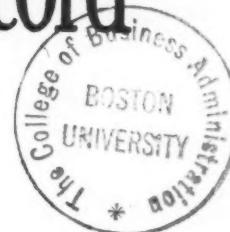
JUNE-19, 1924

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PUBLISHED EVERY THURSDAY BY THE
MANUFACTURERS RECORD PUBLISHING CO.

Office: Manufacturers Record Building, Corner Commerce and Water Sts., Baltimore, Maryland.
RICHARD H. EDMONDS, President; FRANK GOULD, First Vice-President; VICTOR H. POWER, Second Vice-President;
I. S. FIELD, Secretary; J. ROBERT GOULD, Treasurer.

RICHARD H. EDMONDS, Editor.

BRANCH OFFICES:

CHICAGO, 11 So. La Salle St.
BOSTON, 734 Old South Bldg.

NEW YORK, 901 Singer Bldg.
CINCINNATI, 923 Union Trust Bldg.

SUBSCRIPTION RATES:

\$6.50 a year (in advance); six months, \$3.50; three months, \$2 to United States, Mexico, Cuba, Porto Rico, Hawaii and the Philippines. For Canada add postage \$2 a year. For other foreign countries add postage \$5.50 a year. Back numbers if available and not over one month old, 20 cents each. From one month to six months old, 50 cents each; over six months old, \$1 each. In ordering change of address, give old as well as new address.

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Manufacturers Record

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Vol. LXXXV No. 23
Weekly.

BALTIMORE, JUNE 19, 1924.

(Single Copies, 20 Cents.
\$6.50 A Year.)

How Southern Agriculture Can Reach Hitherto Unknown Prosperity.

SIXTY years ago Denmark was faced with a disastrous situation similar to that which the Northwest is now enduring by reason of the overproduction of wheat. The conditions which existed are shown by a British farmer who has recently given some interesting data on the experience of Denmark in reorganizing its agriculture at that time. This farmer, writing in *The Nation*, London, and from *The Nation* quoted by the *Living Age* of this country, said:

"In 1860 the plains of Denmark were farmed on the Norfolk system—that of producing large acreages of grain at the cheapest possible cost, and being satisfied with a low yield per acre. After the disastrous German war, Denmark found herself a bankrupt country with only one asset—her land. But, under the prairie system of farming, by no conceivable juggling with figures could her statesmen find any road to renewed prosperity. The solution of her problem is too well known to require emphasizing here. Her leaders carefully considered the problem of what method of farming was going to produce most wealth. They decided rightly in favor of the production of milk and bacon—not barley, rye or wheat—as their staple crop. The result can almost be described as one of the seven wonders of the world.

"A curious situation has arisen, however. Owing to the enormous increase in the fertility of the land by the adoption of these methods, and the fact that her average wheat-yield has risen from about 25 bushels per acre to 50, greater quantities of grain, which is now merely a by-product, are available for human consumption than ever before. The value of her staple products—milk and bacon—is now greater than the total productive value of her lands under previous conditions."

Southern cotton growers have been saved from the dire distress of the wheat growers of the Dakotas and Montana not by their own judgment, but by the blessing of the coming of the boll weevil. If last year's cotton crop had by any fortuitous circumstances been in proportion to the acreage, the cotton growers would be in the same desperate situation of the Northwestern wheat growers, whose condition is so pitiable that the President recently called upon financial organizations and upon the Government itself to come to their rescue. The Bache Review, issued by a banking house of New York, in discussing this condition in the Northwest where the farmers concentrated upon wheat, states that it is reported that over five hundred banks in the Dakotas, Montana and adjacent regions have failed as a result of this depression in the wheat industry in a region where farmers raised wheat and practically nothing else.

It is true that this condition is due largely to the drastic deflation campaign of the Federal Reserve Board, for back of all this distress is the unwise action of that organization under its former management. That, however, does not help

the present situation. It only teaches us a lesson by which to be guided in the future and only serves as a warning against such methods as prevailed in the Federal Reserve System under its previous management. But there is a great lesson to be learned by the South from the history of what Denmark accomplished.

The South is the most favored section of the United States for dairying and diversified farming. No other part of the country has such a combination of soil and climate and long growing seasons. Unlike the regions of the Northwest, where blizzards and snowstorms, with the thermometer running from 20 to 30 degrees below zero, make dairying exceedingly difficult and costly, the South has every advantage on its side for diversified farming, including the raising of livestock of all kinds as well as of poultry and eggs.

If the South will turn its attention to these interests with that concentration of thought and energy which Denmark years ago gave to the subject when bankruptcy threatened its farming interests, it will develop a degree of prosperity of agriculture which it has never known and which no other section of this country has ever enjoyed. It will then be able to raise as a by-product of diversified agriculture as much cotton as it should produce and this cotton will be a surplus cash crop raised by intensive fertilization and intensive cultivation and at a lower cost than it is now being raised.

Under such a system the South could do like Denmark, which doubled the yield of wheat per acre, and it could double the yield of its cotton crop per acre and produce cotton at a lower cost despite the boll weevil. This is the only way in which the South can solve the boll-weevil problem and at the same time diversify its agriculture, enhance its own prosperity and broaden the foundation of every business interest in the South. This is a doctrine which should be practiced by every landowner and he should see to it that every tenant operates on this basis of diversified agriculture.

Every bank dealing with farmers should insist upon this system of diversified farming, and where that is not agreed upon it would be entirely proper and justifiable to withhold all financial credit to any farmer who is determined to raise cotton and nothing but cotton.

The all-cotton man does not deserve financial credit. He is a hindrance to Southern prosperity. He is either too lazy to diversify his agriculture, to his own good and to the good of the South, or else he is selfishly thinking only of himself and believing that while others may reduce their cotton acreage he will increase his, and in that way make a profit by reason of the other man's wise action in cutting down his acreage. Whether concentrating, therefore, upon all-cotton raising because of laziness or selfishness, such a farmer does not deserve the co-operation of the banks of his neighborhood.

George B. Terrell, Commissioner of Agriculture of Texas,

in commending a recent editorial in the MANUFACTURERS RECORD on reducing cotton acreage and diversifying farming, writes:

"I desire to congratulate you upon this splendid article which should be heeded by every farmer in the South. I am enclosing a small folder which I am sending out to all the newspapers, chambers of commerce and business men of the state to urge that they take an interest in this matter and try to impress upon the farmers the importance of diversifying their crops and saving the soil."

In the leaflet which Mr. Terrell is distributing he says:

"Let us save our civilization by saving the soil and adopting a sensible system of farming. A large acreage and low yield of cotton with a loss of feed crops would mean bankruptcy."

In this circular he calls attention to the fact that the last census showed that Texas, a great empire of agriculture, is spending \$60,000,000 a year for feed imported from other states, and that only 32 per cent of the farms of Texas made enough feed for home consumption. Similar conditions exist in every other Southern state. The soil is being eroded by this wasteful system of the all-cotton cropping methods, and instead of enriching the soil of the South by diversified farming we have been destroying it.

Some years ago Edward Atkinson, the great political economist and statistician of Boston, in a letter to the MANUFACTURERS RECORD emphasizing this situation, said he was satisfied that if a proper auditing system could be devised for putting against the increase in industrial and railroad development the loss of soil in the South by reason of bad farming, it would show that this section had made no real progress, because, in his opinion, the loss of soil would completely offset the gain in other forms of wealth. Diversify, diversify, diversify must be the doctrine of Southern farmers, and fortunately they are already enlisted for this campaign.

It is needless to say that this prosperity of the Southern farmers must to a large extent depend upon the maintenance of a protective tariff, for upon that will depend whether or not there will be poverty among the industrial workers and the breaking down or the maintenance of agriculture. Free trade would mean a long, desperate effort to maintain the industrial and agricultural interests of this country against the pauper labor of the Orient and of Europe. Prosperity great and abundant can be grasped by the agricultural interests of the South if they will see to it that this nation maintains a protective tariff covering agriculture and industry alike, and then diversify their crops and develop to the largest extent possible the raising of live stock.

WILL NEW ORLEANS STAND FOR IT?

IN reply to an inquiry addressed to the New Orleans Industrial Canal & Harbor Development Company for information regarding industrial enterprises or other activities in connection with that undertaking, our inquiry has been returned with the comment written across the top of it, "Too much prohibition and other propaganda in the MANUFACTURERS RECORD to be of use to us. J. H. Bernhard."

Mr. Bernhard, we believe, is a comparatively recent importation from abroad, having been in New Orleans some years, but not apparently long enough to be willing to give information the publication of which would be of value to New Orleans, merely because he is opposed to the prohibition views of this paper. If New Orleans, after spending \$20,000,000 in the development of its Industrial Canal with a broad vision which is a credit to the people of that city, is willing that all information bearing on industrial development operations in connection with the Canal shall be denied to the MANUFACTURERS RECORD by Mr. J. H. Bernhard merely be-

cause, bringing to this country his views as a foreigner against prohibition, he declines to furnish information on the subject, then we shall be greatly surprised at so narrow a position by so great a city.

What Mr. Bernhard individually may feel in regard to prohibition is entirely immaterial to the MANUFACTURERS RECORD, but what Mr. Bernhard as an official of the Industrial Canal & Harbor Development Company undertakes to withhold as a matter of news from the public, which looks to the MANUFACTURERS RECORD for information about the South, is an entirely different matter.

We invite the progressive business people of New Orleans to a consideration of the situation.

KEEP OUT OF EUROPEAN ALLIANCES.

PETER O. KNIGHT of Tampa, whose recent address before the Southern Hardware Jobbers' Association has attracted such wide attention, in a letter to this paper says:

"As I wrote you on the 21st of April, I travel a great deal and come in contact with all sorts of people—high, low rich, poor, conservative, radical, etc.—and whenever I am traveling I generally start an argument in the smoking compartment of the Pullman car and then lapse into silence and listen so that I can learn public sentiment. I am convinced that the views I have expressed in my New Orleans talk are the views of 85 per cent of the American people. You can do nothing more proper than continue making a vigorous fight in the MANUFACTURERS RECORD along the lines of the views given to the people of the United States by all of its Presidents from Washington down to Wilson.

"What I object to is that we should enter into a contract whereby we bind ourselves to send our boys to Europe for the purpose of settling controversies between the nations there. And what I object to is that we should enter a World Court whereby the remainder of the nations of the world who do not understand us and have no views in common with us should pass upon what we should do in so far as our own domestic interests are concerned. Fancy what would have happened had we been a part of a World Court when the recent Japanese question came up before the Congress. Do you not know that Japan would have taken this to the World Court and do you not know that the remainder of the nations of the world would have decided against the United States? Why would they not have done so? The thought is most absurd.

"Besides all that, from a purely business standpoint there is not enough productivity in the United States to pay the expenses of government, national, state, county and city, to pay the expenses of operating our business, and to have money left for exploitation and development purposes, and then, in addition thereto, sufficient funds to police Europe. We are not wealthy enough to do that, even if we could and it was wise to do so. So, from the standpoint of sentiment or of business, it is impracticable.

"Of course, the proponents of a World Court and of the League of Nations are making the loudest noise because they are organized and have been organized for a long time, but they do not represent 15 per cent of the thought of the country."

It should be borne in mind in studying Mr. Knight's statement that he is an attorney of very high standing, widely known throughout the South as well as throughout the North. He speaks, therefore, from the viewpoint of an attorney who has had very wide experience not only in law, but in business affairs, and one who has given close study to constitutional questions and a close investigation on the ground in Europe to matters bearing on our connection with European affairs.

Preparations for Southern Exposition Move Apace—All the World to Be Shown the Wonders of the South and Its Opportunities.

THE movement for the great Southern Exposition, to be held at Grand Central Palace, New York city, January 19 to 31, inclusive, is gaining momentum. Many states are planning and preparing exhibits, and deep interest in the Exposition already is displayed by all other sections of the country.

First starting in little community units, the activity of the South ranges upward progressively through cities into counties, into district groups of counties and into states. The railroads are co-operating enthusiastically, and individual industries of all kinds are preparing to participate and to contribute their full share to the great whole.

As planned, the Exposition will show to the world what the South has, what it has accomplished and what it is doing. Further, it will give the people of the North and other sections an inside and intimate view of Southern enterprise and the fruits of that enterprise. It will show them, in some measure, the potentialities of the South and the unrivaled opportunities for capital and labor in the Southern states. The South, as the Exposition managers explain, "desires buyers for its products, visitors to its territory, new citizens for assimilation by the substantial old stock, investors, manufacturers, farmers, professional and business men"—young men and maidens, old men and children, "people of character and high standards of industry and living."

At the Exposition will be shown the variety and value of the South's agricultural products, the value and variety of its mineral stores, its fabricated goods, its timber, its fish and game. In short, the Exposition is to introduce the South to the North and the East and the West, to the mutual benefit and profit of all sections.

As their contribution to the success of the Exposition, the railroads of the South and East will return all exhibits to the original shipping points free of charge in cases in which full tariff rates have been paid to New York, provided such exhibits have not changed ownership and are returned before March 1. Reduced passenger rates also will be arranged.

In organizing a state, a conference first is held and a committee is appointed, with chairman and secretary, forming the nucleus of the movement. Questionnaires then are sent to each chamber of commerce to ascertain how many exhibitors will apply for space. In turn, these commercial bodies appoint committees which explain the project to the people of their territories and enlist exhibits for the Exposition. Detailed information on every subject is furnished to all who may inquire, and aid is extended to all who may ask it.

Finally, state committees are named to act for their Commonwealths, and the following so far have been reported:

Virginia—Joseph H. Smith, Petersburg, president of the Virginia State Chamber of Commerce, chairman; Maude A. Slater, Richmond, secretary; J. Scott Parrish, Richmond, vice-chairman; T. P. Thompson, Norfolk; D. B. Ryland, Lynchburg, and W. M. Eller, Petersburg.

North Carolina—N. G. Bartlett, secretary-manager of the Eastern Carolina Chamber of Commerce, Kinston, chairman; W. T. Kyzer, secretary, Kinston; George C. Royall, Goldsboro; W. C. Denmark, Goldsboro; N. Y. Chambliss, Rocky Mount; M. R. Beaman, Wilson; H. E. Barlow, Newbern; Burke Hobgood, Durham; L. T. Moore, Wilmington; Brent S. Drane, Chapel Hill; W. D. Harris, Chapel Hill; C. O. Kuester, Charlotte; W. C. Roberts, Greensboro; J. S. Kuykendall, Winston-Salem; Warren E. Hall, Asheville; J. H. Cowan, Wilmington.

South Carolina—W. P. Conyers, president of the Chamber of Commerce of Greenville, chairman; Fred L. Bryant, Green-

ville, vice-chairman; W. R. Timmons, secretary, Greenville; Frank A. Pierson, Columbia; R. H. Beal, Spartanburg; Meigs B. Russell, Charleston.

Georgia—E. B. Walker, manager of the Savannah Board of Trade, chairman; W. R. Crites, secretary, Rome; R. E. L. Neal, Albany, vice-chairman; J. Ralston Cargill, Columbus; B. S. Barker, Atlanta; Spencer L. Hart, Augusta; E. W. Carroll, Athens.

Alabama—O. L. Bunn, secretary of the Chamber of Commerce of Birmingham, chairman; W. F. Black, secretary, Montgomery; J. M. Clark, Russellville; J. B. Brosius, Tuscaloosa; A. E. Osborne, Bessemer City; W. H. Butler, Gadsden.

Tennessee—E. N. Faris, manager of the Board of Trade, Knoxville, chairman; Thomas W. Fletcher, secretary, Nashville; W. A. Nelson, Nashville; Homer Hancock, Nashville; W. N. Porter, Paris; John Wood, Johnson City; C. E. Brehm, Knoxville; C. W. Howard, Chattanooga.

Mississippi—W. H. Smith, secretary of the Chamber of Commerce, Laurel, chairman; L. E. Foster, secretary, Jackson; Frank Andrews, Vicksburg; L. J. Folse, Hattiesburg; L. O. Crosby, Picayune; R. H. Pate, Jackson; S. H. McClary, Meridian; M. T. Sharp, Cornish; J. J. Taylor, Gulfport.

Louisiana—Committee to be named by a committee consisting of Henry Hausman, chairman; James N. Thomson and Cartright Eustis, all of New Orleans, and W. L. Brown of Covington.

West Virginia—F. Roy Yoke, governor of the Rotary Club, Morgantown; Walter S. Sugden, district governor of Kiwanis, Sistersville; Edward R. Kingsley, district governor of the Lions, Parkersburg.

In addition to these states, Arkansas has endorsed the Exposition and a committee has been appointed to canvass the state and to ascertain if the allotment will be subscribed by the citizens.

Florida, it is understood, will participate, but has not decided how much space will be desired.

Summarized, some of the most important details may be given as follows:

The Exposition will open at 10 o'clock, Monday morning, January 19; general admission 50 cents.

Space rentals, \$3 a square foot; applications must be received prior to June 30; address Holmes B. Springs, secretary, Greenville, S. C.; net earnings to be returned as dividends to exhibitors.

Exhibitors will be grouped according to states, and displays from each city, county or community will be placed together if desired; transportation, power and similar companies doing interstate business may choose separate locations.

Allotment of space and placing of exhibits will be under the direction of Dr. Joseph Hyde Pratt, vice-president.

Installation of exhibits may begin on Wednesday, January 14.

With William G. Sirrine of Greenville, S. C., as president; Col. Joseph Hyde Pratt, Asheville, N. C., as vice-president, and Col. Holmes B. Springs of Greenville, as secretary, the list of honorary officers is as follows:

Honorary president, Governor E. Lee Trinkle of Virginia; honorary vice-presidents, Governor Cameron Morrison of North Carolina, Governor Thomas G. McLeod of South Carolina, Governor C. M. Walker of Georgia, Governor W. W. Brandon of Alabama, Governor Harry L. Whitfield of Mississippi, Governor Austin Peay of Tennessee, Governor Henry L. Fuqua of Louisiana, Governor Thomas C. McRae of Arkansas, Governor E. G. Morgan of West Virginia, Governor Carey A. Hardee of Florida.

As a stimulant to the interest of the Southern states and as recognition of good work well done, the MANUFACTURERS RECORD has offered a prize of \$5000 in advertising in its columns to the state making the finest exhibit. As each state enters for the Exposition it automatically enters for the prize, and rivalry already is reported as strong for this trophy.

South Carolina Urged to Win the \$5000 Southern Exposition Prize and Get More Than \$5,000,000 of Publicity.

[Anderson (S. C.) Tribune.]

Five thousand dollars is a rather sizable sum, at least from the editorial viewpoint, but when you think of such an amount expanding itself into five millions of dollars, it is likely to set your head whirling.

How may this be done?

Through the necromancy of modern publicity?

Perhaps, however, it isn't exactly right to use that word "necromancy" in this connection, for there is nothing mysterious or flavoring of magic in the marvelous things which may be accomplished by the proper use of wide publicity, or the wide use of proper publicity.

The inspiration of this comment comes from a very interesting and unusual announcement made in the current issue of the MANUFACTURERS RECORD, well styled "Exponent of America"—a truly great publication which has long held a high place in our estimation because of the splendid work it has done and is doing for the Great South.

In brief, the MANUFACTURERS RECORD announces "a \$5000 prize worth \$5,000,000 of publicity to the state which makes the most complete display at the Southern Exposition." We gladly give a reproduction of the details of this offer, which appears on the cover page of that publication's June 5 issue, for two reasons: First, because we believe it important to emphasize now, in every way possible, this great Southern Exposition to be held in New York next January; second, because we are certain that the prize offered is so valuable that the state of South Carolina may well put forth every effort to win it.

We submit that the making of this offer by the MANUFACTURERS RECORD is one of the most enterprising pieces of journalistic effort in American history. It is skilfully conceived for the stimulation of healthful competition among all the Southern states, for not only will the winner receive the inestimable value of continuous, consistent publicity in the columns of the most influential publication in the South, if not in the entire nation, but, as the offer itself points out, by virtue of winning, the state thus singled out for preponderant excellence of its showing at the Southern Exposition will also be featured far and wide in the columns of the press.

Indeed, we believe the MANUFACTURERS RECORD is exceedingly conservative when it estimates the potential or ultimate value of such a victory at five millions of dollars. The resultant publicity will be of such a character that perhaps ten times \$5,000,000 could not purchase it, for when you come to buy effective space in hundreds of newspapers the cost bill mounts rapidly. And be it remembered that the sort of publicity which will be obtained in this connection will be of the character which money cannot buy, for it will be in the news columns, which are not for sale at any price.

South Carolina, line up! Get into this game right now in a big way! The opportunity is one which never before has confronted you, and perhaps will not come again within the lifetime of the present generation.

There ought speedily to be perfected the Southern Exposition Commission of the State of South Carolina—a body which will function as a clearing-house of information, a go-between for all interests in this state, and a co-ordinating agency to secure uniformity and consistency in South Carolina's exhibit at the Southern Exposition.

What we have in mind is this: The individual manufacturer or other interest which makes an exhibit in New York will desire and must be assured a direct advantage therefrom, but the aggregate of these exhibits ought to be collected, collated and grouped so as to present a harmonious and effective whole—to speak for the collective interest of the entire

Commonwealth. That is what will count, and that is what will win the magnificent prize offered by the MANUFACTURERS RECORD.

In other words, the tout ensemble (if we may borrow the French phrase) is the thing to perfect, as well as to seek individual exhibits of outstanding interest.

Let the MANUFACTURERS RECORD know, and let the whole world know, right now that South Carolina is going after that prize. And let's not only go after it, but let's GET IT! We have as good an opportunity as any other state. More will depend upon the work done in advance of the Exposition's opening than anything else, and there ought to be no delay in getting that work started. Let it start at once!

An Exposition and an Inspiration.

[Charlotte (N. C.) Observer.]

The MANUFACTURERS RECORD has a proper appreciation of the coming Southern Exposition, in New York, to be held at a date distant enough to give Southern manufacturers ample time to provide creditable displays, and the splendid advertising advantages it will offer to the South. It is offering a prize of \$5000 to the state making the best exhibit at this New York show, the exhibit to include both raw and manufactured materials. The MANUFACTURERS RECORD believes the \$5000 which it is offering will be worth \$5,000,000, or perhaps even more, of publicity to the winning state, for the one which wins will be the center of discussion in the newspapers of the land—North, South, East and West. And for a year that state will be able to carry without cost in its advertisement in the MANUFACTURERS RECORD the fact that it has won this prize in competition with the other states of the South.

The MANUFACTURERS RECORD wisely argues that the opportunity is a great one. This Exposition, in all probability, will be visited by hundreds of thousands of people. Many of them will be the foremost business men—bankers and investors and manufacturers—in the entire East, as well as thousands of others. The newspapers will, of necessity, give it a larger publicity than they have ever given to any movement in behalf of the South. For the first time in its history the South will thus move boldly into the very center of the nation's financial power and it will challenge the nation's attention to study its exhibits of raw materials and the variety of its agricultural and manufactured products.

Dr. Chas. H. Herty, a distinguished native of the South, formerly president of the American Chemical Society, with 15,000 members, and now president of the Synthetic Organic Chemical Manufacturers' Association of the United States, has consented to act as chairman of the committee on the award. Prior to the opening of the Exposition, Doctor Herty will select other members of the committee and full announcement will be made. The fact that Doctor Herty will be chairman assures an absolutely unbiased committee, fully cognizant of all that will make for the most complete exhibit of the resources of individual states.

No one connected with the MANUFACTURERS RECORD in any capacity will be a member of the committee of award. Doctor Herty, busy and crowded as he is, has consented to accept the chairmanship because of his devotion to the interests of the South and his belief that this Exposition can be made of immeasurable value to this section. No details can be given for months to come as to how the committee will decide the question, but in general it may be said that the committee's object will be to award the prize to the state which makes the most comprehensive exhibit calculated to accomplish the largest results through such a display.

The MANUFACTURERS RECORD invites to this award and to the tremendous publicity which it will give to the winning

state the thought of every business man in the South interested in its welfare. This Exposition opens an opportunity to the South and for its big, broad-gauged men of affairs, men of vision, to call to their assistance every influence in every Southern state, to secure the best possible exhibits of raw materials of every kind, of agricultural products and manufactured products in all their widest variety.

We Would Like to See Texas as an Active Competitor.

Chamber of Commerce.

San Marcos, Tex., June 11, 1924.

Editor Manufacturers Record:

We regard your proposition as most generous and the object most praiseworthy.

While our sphere of influence is limited, we will do what we can to give publicity to your proposition, with the hope that our state, great in area as well as in its most varied resources, may be the winner of the prize that you offer.

W. A. LYON, Secretary.

The Southern Railway Company's Endorsement.

Southern Railway System,

Washington, D. C.

(At Mobile, Alabama.)

June 12.

Editor Manufacturers Record:

Permit me to commend the MANUFACTURERS RECORD for its generous offer of a prize of \$5000 in advertising to the state which makes the best display at the Southern Exposition to be held in New York January, next. I hope the offer may stimulate interest in this enterprise.

L. GREEN, Assistant to President.

Worth \$5,000,000 of Publicity.

[Charlotte (N. C.) Observer.]

Believing that the Southern Exposition to be held in New York city next January offers an opportunity never before presented for driving boldly and bodily into the very heart of the business life in this country the resources and achievements of the South, the MANUFACTURERS RECORD, in an announcement this week, offers a prize of \$5000 of advertising to the Southern state which, by vote of a committee of awards, makes the most comprehensive exhibit of its resources, its raw materials and the achievements in material development already to its credit. Dr. Chas. H. Herty, a distinguished native of the South, formerly president of the American Chemical Society, with 15,000 members, and now president of the Synthetic Organic Chemical Manufacturers' Association of the United States, has been named chairman of the committee of award, and prior to the opening of the exhibition will select the other members of the committee.

Throughout the South counties, cities and states are actively at work preparing for the big Exposition. Preliminary work is under way on a big scale. The date has been definitely set—January 19 to 31. Hon. E. Lee Trinkle, Governor of Virginia, has accepted the appointment as honorary president, and other Southern Governors have been named honorary vice-presidents.

"The Southern Exposition is an assured fact," states W. G. Sirrine, president of the Exposition. "It is a success. It will be a tribute to the chambers of commerce of the Southern states, through whose efforts alone such great progress has been made in six months since the plan was inaugurated. Ten years ago a mutual or co-operative exposition of this character would have been an impossibility. Training and team work are accomplishing the task. When the people of the United States visit the Grand Central Palace next January they will see the most remarkable display of products ever assembled in New York."

Georgia's Chance to Obtain the Right Kind of Publicity.

[Columbus (Ga.) Inquirer Sun.]

Through the enterprise and foresight of the MANUFACTURERS RECORD, of which Richard H. Edmonds is the editor, the various states of the South will be given an unusual opportunity to get double publicity. The MANUFACTURERS RECORD has offered a prize of \$5000 in advertising to the state which makes the best display at the Southern Exposition to be held in New York city next January.

It is the belief of the MANUFACTURERS RECORD that the Southern Exposition offers an opportunity not hitherto presented to put before the people of the whole country the resources and achievements of the South. Believing this to be the time, the MANUFACTURERS RECORD offers \$5000 in advertising in its own columns—a liberal and timely proposal. As the MANUFACTURERS RECORD says in announcing the prize offer, the actual value of the prize will be increased a hundredfold, as the winning state will be the center of discussion in all the newspapers throughout the country. The MANUFACTURERS RECORD adds:

"It is needless to say that our aim in offering this prize is to stimulate an active rivalry on the part of every state in the South to make the most comprehensive exhibit possible.

"The opportunity is a great one. This exposition in all human probability will be visited by hundreds of thousands of people. Many of them will be the foremost business men—bankers and investors and manufacturers—in the entire East, as well as thousands of others. The newspapers will, of necessity, give it a larger publicity than they have ever given to any movement in behalf of the South.

"For the first time in its history the South will thus move boldly into the very center of the nation's financial power and it will challenge the nation's attention to a study of its exhibits of raw materials and the variety of its agricultural and manufactured products."

That the contest will be fair and sincere is obvious from the fact that Dr. Chas. H. Herty, who is widely known throughout the South, will act as chairman of the committee of awards. No person connected with the MANUFACTURERS RECORD will take any part as a member of the committee of award. Later, Dr. Herty will issue full details of the contest and what the requirements will be.

The MANUFACTURERS RECORD invites the co-operation of all men interested in the growth of the South. Efforts will be made to obtain the best possible exhibits of raw materials of every kind and agricultural and manufactured products.

It is not difficult to visualize Georgia as the winner of the award, and no city can contribute more than Columbus. On another page will be found the MANUFACTURERS RECORD's offer in full. Read it, and get ready to put Georgia over the top.

Georgia has resources enough, if properly presented at the Southern Exposition, to give every other Southern State a lively run for the prize, and the prize does not mean simply \$5000 worth of advertising in the MANUFACTURERS RECORD, but millions of value in publicity throughout the country. Go to it Georgia, and may the race be a lively one, for the very contest for the prize will be of immense value to every state which enters the contest!

"Florida Should Not Be Second."

[Palm Beach Post, West Palm Beach, Fla.]

The MANUFACTURERS RECORD, through its editor, Richard H. Edmonds, is offering \$5000 in advertising to the state that makes the best display at the Southern Exposition that is to be held in New York in next January. The offer is made to stimulate competition among the states of the South and to cause them to exhibit their wonderful array of raw materials, their resources in agriculture and manufacture and their achievements in every line of material development. Irrespective of the incentive offered by Mr. Edmonds for first-ribbon place, Florida should not be second at this show.

Alabama Moves to the Front to Contest for the \$5000 Advertising Award at the Southern Exposition.

Chamber of Commerce,

Montgomery, Ala., June 12.

Editor Manufacturers Record:

We are in receipt of your letter of June 5 in reference to the prize of \$5000 being offered by the MANUFACTURERS RECORD for the best state exhibit at the Southern Exposition in New York in January, 1925.

It is most gratifying to the people of the South that such interest is being manifested by you and your splendid periodical. Nothing has been of more value to the South than the MANUFACTURERS RECORD, and this action on your part is just another evidence of your interest in our development and welfare.

We believe, and we have ample foundation for this belief, that Alabama, if she will take advantage of this opportunity to present to the world her various resources, would have a good chance to win this very liberal prize, and we are going to go out after it to the very best of our ability.

O. L. Bunn, manager of the Chamber of Commerce of Birmingham, is the Alabama representative on the executive committee; the writer, at a meeting of Alabama secretaries in Birmingham some weeks ago, was designated as a member of the Alabama committee in charge of interesting the agricultural people in preparing and putting on a creditable display.

Jesse B. Hearin, manager of the farm section of the Montgomery Chamber of Commerce, than whom there is no man more efficient in this particular line, has been unanimously chosen as the secretary of the Alabama branch of the Southern Exposition, and is now enthusiastically and actively pursuing a well defined plan to carry to the Southern Exposition an exhibit which will demonstrate the very wide scope of Alabama's opportunities along the agricultural and manufacturing lines. We have already been assured of the hearty co-operation of Alabama's Agricultural School, the Alabama Polytechnic Institute at Auburn, the University of Alabama, the Alabama Farm Bureau Federation, the Extension Service, the Citrus Fruit Growers' Association, the various other agencies as well. We have the cordial co-operation of the industrial departments of the various trunk-line railways, the Port of Mobile, the Power Company, and, last but not least, the co-operation of Governor Brandon and the Agricultural Department of the state.

We feel that, with the interest being shown by such men as you, the result of this Southern Exposition will be far-reaching and that the time is most opportune to present to our friends of the North and East, and to the world, the South's possibilities in every line.

W. F. BLACK, General Secretary.

Should Arouse the Entire South.

Chamber of Commerce.

West Palm Beach, Fla., June 6.

Editor Manufacturers Record:

Announcement of your generous offer of the \$5000 advertising prize to be given the state making the best display at the Southern Exposition should certainly arouse a great deal of interest throughout the entire South.

The state which wins your prize will certainly get more publicity from this means than might be procured in almost any other way, and all of the Southern states are indebted to you for your generous offer.

H. E. ROBINSON, Secretary.

GO TO IT, ARKANSAS!

J. E. BOYCE, president of the Cotton Belt Savings & Trust Co., Pine Bluff, Ark. referring to the proposed prize of \$5000 worth of advertising offered by the MANUFACTURERS RECORD, writes:

"I regard this as a unique and most valuable offer and will take the matter up with our local Chamber of Commerce, of which I am one of the trustees, with the recommendation that the Chambers of Commerce of Pine Bluff, Little Rock, Hot Springs, Fort Smith and other leading cities of the state get behind the movement and endeavor to get the resources of Arkansas fully displayed at the Exposition and, if possible, win this valuable prize. We are convinced that Arkansas has more natural resources than a great many states in the Union, and its capability of development is an immense factor. We would be pleased to win such a prize and beg to convey our congratulations to you for your far-sighted policy in thinking up such a unique plan."

Mr. Boyce is unquestionably correct in saying that Arkansas has more natural resources than a good many other states in the Union. Arkansas, indeed, is a very treasure house of resources. Probably not one man in a thousand outside of Arkansas has the slightest conception of the variety and extent of Arkansas' resources in agriculture, in minerals and in timbers.

If Arkansas will only make an adequate exhibit of these almost boundless resources at the Southern Exposition, it will change the thought of hundreds of thousands of people as to that state. There are so many things in which Arkansas stands first that its people have a right to be proud of the vastness of their resources. But if they want to see these resources adequately appreciated by the country at large they must use the utmost degree of publicity in order to offset the unfavorable opinion of Arkansas held for years by millions of people in this country who think of it as a flat state of overflowed lands, having formed that estimate largely by the stories of the "Arkansas Traveler."

Few people in America understand the horticulture of Arkansas, the superb climate of much of that state, its educational advancement and its industrial progress.

If the people of Arkansas will follow the advice of Mr. Boyce and make a full display of the resources of Arkansas at the Southern Exposition, they will, we feel sure, be surprised themselves at the change of sentiment throughout the country as to Arkansas and its boundless attractions.

Go to it, Arkansas!

WHERE TO FIND THE ANSWER TO MANY QUESTIONS.

AN enthusiastic reader of the Blue Book of Southern Progress in acknowledging receipt of the edition of 1924, writes:

"Pages 63 to 78 alone are worth many times the price of the whole Blue Book to any person in any pursuit of life who values the country in which he or she lives. I enjoy reading the Blue Book in my home among my family. This will be our nightly pastime until we analyze the entire book. My twelve-year-old boy claims now that he knows more than his history teacher, so he presented her with a Blue Book. He first asked her some questions which she could not answer. Then he supplied the answers by the Blue Book."

We wonder how many other thousands and tens of thousands of school children and college students in the South could stump every teacher and professor they have by asking questions about the South, just as this little twelve-year-old boy stumped his teacher, and yet every teacher in the South should know every fact in the Blue Book.

The Magnitude of the American Dairy Industry and the South's Opportunity.

THE magnitude of the dairy or milk industry of this country is shown in statements recently issued by the United States Department of Agriculture, giving the production of milk last year as 109,736,062,000 pounds, or a gain of 7,100,000,000 pounds over 1922. From this report the MANUFACTURERS RECORD has gathered the following interesting facts:

Consumption of milk for household purposes reached 50,440,000,000 pounds, as compared with 46,672,560,000 pounds in 1922. There was manufactured 1,774,881,000 pounds of condensed and evaporated milk, as compared with 1,431,349,000 pounds in 1922. The output of creamery butter was 1,252,214,000 pounds, compared with 1,153,515,000 pounds the preceding year, and the total production of cheese of all kinds was 394,697,000 pounds, compared with 369,980,000 pounds in 1922.

Consumption of butter on a per capita basis was 17 pounds per person last year, as compared with 16½ pounds in 1922; consumption of cheese was 3.91 pounds per person, compared with 3.74 pounds; condensed and evaporated milk, 13.25 pounds, compared with 12.69 pounds, and ice cream, 2.66 gallons, compared with 2.43 gallons in 1922.

Dried casein production more than doubled during the year, being 14,548,000 pounds, compared with 6,927,000 pounds in 1922.

Items making up the total milk production for the two years are given in the subjoined table:

	1923 Pounds	1922 Pounds
Creamery butter	1,252,214,000	1,153,515,000
Farm butter	610,000,000	625,000,000
Cheese (all kinds)	398,947,000	374,980,000
Condensed and evaporated milk.....	1,774,881,000	1,431,349,000
Powdered milk	6,560,000	5,599,000
Powdered cream	328,000	118,000
Malted milk	15,331,000	13,659,000
Sterilized milk	80,000	330,000
Milk chocolate	149,500,000	100,000,000
Ice cream (gallons)	294,900,000	263,520,000
Milk for household use.....	50,440,000,000	46,672,560,000
Milk fed to calves	4,174,000,000	4,335,000,000
Milk wasted	3,292,000,000	3,076,860,000
Total (equivalent of whole milk).....	109,736,062,000	102,562,221,000

In connection with these figures regarding the extent of this dairy industry it is worth while to publish some extracts from a letter by Craddock Goins of Milwaukee, who has often written for this paper illuminating articles in regard to the dairy potentialities of the South. After referring to the National Dairy Exposition which is to be held in Milwaukee this fall, he writes:

"This dairying proposition means far more to the South than most of us realize. It is something that we have to study at close range very thoroughly before fully visioning its vast possibilities for Southern agriculture and its widespread influence upon Southern prosperity. Many of us have seen fit to wax very excited over the exodus of the negroes of the South. Too few stop to think that the greatest exodus, the most distressing exodus, is that of the South's technically trained college men.

"Year after year, about this time, these men leave the Southern states to go into other sections to cast their lots with people who have established industries that give the Southern college men the opportunity to apply their training. The South needs industries to keep these men at home. The South's illiteracy percentage would be greatly reduced if there could be some change in the economic situation which would give employment to the men that the Southern colleges have prepared so thoroughly for the business of building and light work. The South wants builders and yet, year after year, we see our potential builders go off into other sections and take part in the upbuilding of those other communities.

"Think of the number of Southern men now at the head of some of New York's greatest financial institutions! Just consider the number of former Southerners now doing good work for the industries of Chicago, Detroit, Cleveland, Cincinnati and other Eastern and middle Western cities!

"Dairying would do much to correct this situation. Dairying attracts industries, for wherever there is dairy prosperity, dairy industry also wishes to locate its factories, branch

plants and warehouses. The City Builder, the official organ of the Atlanta Chamber of Commerce, recently printed an article by a rural worker of that state, in which the author told of a visit of a prospective industrial settler in one of the Georgia cities. He told how this man, who was from Pennsylvania, looked over a certain small city in Georgia, and at the end of his tour of inspection decided that he did not wish to establish his business there, pointing out that the city was perfectly all right in its way but that there was not enough surrounding prosperity on the farms.

"That is exactly the point. Cities are built by farm prosperity. Dairy farming builds rural and civic prosperity—it establishes community wealth. Four billion dollars was spent for dairy products in the United States last year. Of this amount \$2,500,000,000 went to the dairy farmers.

"The writer feels very free to speak of this matter of the white exodus from the South, since he is not one of the technically trained men mentioned in this letter. The writer does not believe that his humble services could possibly be of benefit to the South, but it is in the interest of stopping our great loss of engineers, bridge builders, architects, tunnel diggers, railroad builders, etc., that this is written. How many folks know that the Hudson tunnel was built by a Southerner, truly the most marvelous undertaking of this kind ever carried out? How many folks know that Southern engineers laid the plans of some of the great railroads of the West and in Canada? This does not even begin to list the achievements the Southerners have carried out for other sections—big achievements. When we consider that the dairy production in one state alone last year, Wisconsin, was greater in value than all the iron ore, gold and silver produced in the United States in 1921, we can understand just how much the farmers of the South can increase Southern prosperity through the dairy cow, the greatest agent of economic security in the world today.

"The dairy industry is the South's rising star of prosperity."

In this issue we are publishing an interesting article on this subject by Mr. Goins.

HOW GREAT BRITAIN SPENDS ITS MONEY.

THE Bankers' Trust Company of New York has published a very interesting statement compiled by its English bureau showing the leading expenditures of the British Government last year. The interest on its national debt was £307,000,000, but its drink bill exceeded this by £500,000, having been £307,500,000.

During the year Great Britain expended £93,000,000 on milk, consuming 800,000,000 gallons; but it expended more than twice that amount, or £193,000,000, on beer, of which it consumed 930,000,000 gallons.

The expenditure per head of population for alcoholic drinks in 1923 was £7 2s, the average expenditures per capita in England and Wales having been £7 5s, and in Scotland £6, or an average for Great Britain of £7 2s as stated.

Further figures given by the Bankers' Trust Company show that the total exports of British spirits during the year amounted to 7,200,000 proof gallons, as compared with 10,090,000 proof gallons in 1913. Of this total, the United States and its neighbors took 2,061,000 gallons, as compared with 1,593,000 gallons in 1922 and 3,156,000 gallons in 1913.

The following are comparisons of amounts spent on drink and for other purposes in Great Britain during the year 1923:

Drink bill	£307,500,000	Local taxes collected, 1922-23.....	£176,000,000
Interest on national debt.....	£307,000,000	Estimated expenditure on imperial defense, education	£132,000,000
Gross annual value of lands, houses and other property under income tax, schedule A.....	£287,000,000	Education	£ 89,000,000
Capital invested in coal industry, 1921 (excluding coke ovens and by-product plants)	£180,000,000	National health and unemployment insurance.....	£ 79,000,000
		War pensions.....	£ 75,000,000
		Relief of poor.....	£ 48,000,000
		Old-age pensions.....	£ 24,000,000

BUSINESS MEN RESPONSIBLE FOR BAD POLITICS IN WASHINGTON.

NATHAN B. WILLIAMS, associate counsel of the National Association of Manufacturers, in a letter to the MANUFACTURERS RECORD writes:

"I am firmly convinced that the business interests of this country must become a bit more serious minded in so far as governmental affairs are concerned, both state and national; devote more time to the study of public questions and be decidedly more vigorous in seeing that their mature views are brought home to the people as a whole. There is a distinct responsibility involved and a distinct need for leadership. Business interests have a tremendous power, which, if properly directed, can accomplish wonders. And, despite all the mouthings of the promoters of discontent, business is only intelligently selfish."

Without being numbered with those who believe that everything in the past was good and that everything in the present is bad, and knowing something of the political evils of former years, we nevertheless believe that at no time in the history of our country was political cowardice as great as at the present time.

One of the editors of the Baltimore Sun in a dispatch from Washington, referring to the overriding of President Coolidge's veto of the bonus bill, stated that one Congressman who had voted against the veto frankly said that he "was absolutely opposed to the bonus, and believed that it was without merit"; but, he added, "in my district there are probably 5000 soldiers and their relatives who are for the bonus as against perhaps 1000 bankers and business men who are opposed to the bonus. If I had voted against the bonus, or to uphold the President's veto, I would have lost out in the next election; and I will be damned if I will do that."

This was unquestionably the sentiment of many who voted for the bonus and of many who voted against the veto. They were without honest convictions in favor of the bonus; they voted against their convictions and for their own personal advancement or re-election. It was not in their minds what is for the best of the country, but what is "best for my re-election." The man who votes that way is a coward, without moral stamina or backbone, it matters not what profession of integrity he may make.

This spirit of the small politicians, men whose mental caliber and mental horizon are very narrow, is abroad in the land. It is seen in county and state and Federal offices. It is a real menace.

But, the men who are guilty of this traitorous action to the welfare of the country would not be in Congress or in county or state offices if the intelligent, honest men of affairs—farmers, merchants, manufacturers and laboring people—were not themselves recalcitrant to their individual responsibilities. It is because they have failed to do their duty that the narrow-visioned politician is in office. Men of affairs have not done their duty. They have not studied with the keenness with which they study their own business the issues that are at stake in every election. By the thousands, and in the aggregate by the millions, they fail to vote, and when they vote a large proportion of them vote for their party candidate entirely without regard to whether he is the best man or not, or whether the platform represents the best economic conditions for their community, their state or their country or not.

The politician in office, however weak and cowardly he may be, is not as cowardly as the business man who fails to act on his own convictions in his vote, or who fails by voting to express his convictions for or against any candidate.

No greater folly can be imagined than for business men to gather in their annual conventions and denounce the misdoings of Congress if they have not themselves used their

utmost power by voice and by act to keep out of office men whom they know to be unfit to rule state or national affairs.

Resolutions against political corruption, resolutions against the bonus bill or against any other bill passed by business men fall on deaf ears in Congress unless Congressmen know that the men who passed these resolutions are consecrating their lives to the cleaning up of our political life, to voting on economic questions on an economic basis and without regard to politics, and unless these men dare openly to express their convictions on every public question and vote according to their honest convictions, regardless of the appeals of politicians or of the friends of politicians to vote for this man or that man when they know that he does not measure up to the situation.

Mr. Williams, of the National Association of Manufacturers, says that "business interests of this country must become a bit more serious minded in so far as governmental affairs are concerned." His language is not quite strong enough. Business men must become not merely "a bit" more serious, but they must become tremendously more serious. They must have the spirit and the courage of the crusader, willing to stand for what they believe to be the right though the heavens fall. Until that spirit has been aroused from one end of the country to the other, among intelligent, thinking people, whether they be on the farm, in the factory, or in the office, demagogues will dominate the politics of county, state and Federal affairs.

Are the people sufficiently aroused to the seriousness of this situation as to reconsecrate themselves to the saving of the country?

REAP AS WE SOW.

"JUST 29 years ago today the United States Supreme Court decided the income tax to be unconstitutional. Now the people are inclined to regard it as unconscionable, intolerable and outrageous."—George Bailey in Houston Dispatch.

"The country was getting along very nicely without the income tax. The total ordinary disbursements of the Washington Government in 1903 was a slight rise above \$500,000,000, while in 1923 it climbed considerably above \$3,000,000,000. It is the direct fruit of the income tax amendment to the Constitution. That amendment made it possible for the Congress to indulge in riotous living, and the permission is not slighted. The disposition to amend the Constitution gets stronger with each recurring success along that line. More and more are we bringing the Washington Government into our daily affairs, to the hurt of our pocketbooks and to an assault on our liberties. What the fathers shed their blood to achieve, we are deliberately throwing away. Some one has said that every moth learns for itself that the candle burns. It would seem that each generation must have a taste of despotism to properly appreciate liberty."—The Times-Herald, Waco, Tex.

The income tax as it is conducted is an iniquitous way of raising revenue. A far simpler and better method would be a sales tax which would give us the revenue without the inquisitorial and iniquitous features of the present income tax.

The Times-Herald is right in saying that we of this generation are destroying the Constitution for which our forefathers fought and for which many died. One of the great needs of the country today is to awaken, if it be not already too late, our people of every class and every section to a reverence for the Constitution in contrast with the wild socialistic, bolshevistic efforts to destroy it.

GREAT BRITAIN AND ITS RUM-RUNNING SHIPS.

New Orleans, La., May 19.

Editor Manufacturers Record:

Your latest effusion on the prohibition question in your issue of May 15 is more propaganda in the interest of this so-called dry law. If Great Britain should make it unlawful to practice rum-running under the protection of her flag, what would prevent these boats from changing their nationality to that of some other European country? The distillers of Great Britain are reaping a rich harvest, and the British Government is getting its share in the form of a tax imposed on every gallon of spirits manufactured. Great Britain is, in some measure, recouping some of its losses created by the late war through the medium of its rum-running expeditions, and even if the quantity that finds its way into this country is not as great as was the case during pre-war times, this deficiency is more than compensated for by the prevailing fancy prices.

An opinion, expressed by many, is that the complications which have arisen in regard to providing ways and means of financing the soldiers' bonus could and can still be avoided if the sale of light wines and beers will be legalized. These beverages, according to press reports, are being dispensed throughout the greater part of the country, illegally, of course, but just the same they are being dispensed, and the bootleggers aren't worrying themselves sick over the fact that Uncle Sam has placed them on the preferred list and is not exacting a penny's worth of taxes from them, although he saw to it that the honest and law-abiding distillers of pre-prohibition days were taxed on the basis of their output.

Personally, I never imbibe in alcoholic concoctions and am opposed to the corner saloon, the evil of which still remains in our midst notwithstanding statements to the contrary. It is distressing, but it is a cold fact, that you can buy all the hard drinks you want in every soft drink stand in New Orleans, and find hardly an obstacle in the way of purchasing quart bottles of whiskey from drug stores. I conjecture that New Orleans is not the only town in this category and that many other cities are confronted with the same problems.

My suggestion to those who would want prohibition effectively enforced is that they have built an unpenetrable wall which would encircle our country, bottle up the seaports and allow no foreign bottoms to enter our harbors. Truly, we would then be as far removed from the evil influences of alcoholism as it is possible to get, and could ward off any attack of an invading rum-running aeroplane squadron with fighting planes of our own. But with all these precautions we would still have to lay our battle plans for an invasion from two enemies within: the blind-tiger or moonshiner and Dame Nature's errant child, Fermentation.

A. J. DUCONG.

If the foregoing statements in regard to the ability to buy whiskey by the quart in the drug stores of New Orleans is true, then every druggist who is guilty of this act is a criminal before the law, and every man who buys the stuff is directly violating the nation's law, and without obedience to law there can be no safety.

Great Britain once found it feasible to prevent slave trading under her flag. She can with equal ease prevent rum-running under her flag whenever her people awaken to the seriousness of the situation and realize that they are endangering the friendship of this country with theirs.

To legalize the sale of beer and wine in order to pay the soldiers' bonus would be to commit a national crime for the purpose of possible financial profit. We do not think this country has yet reached the point where it would openly engage in such criminality against the amendment which has been adopted by 46 of its states and which still stands on the statute books.

When the people of the country will unitedly show their patriotism by upholding the law there will be no trouble in enforcing it.

The law against narcotic drugs has not been fully enforced; men are still selling and other men are buying and using cocaine, morphine and other deadly habit-forming drugs, but we have not seen anybody openly advising that

the laws forbidding the sale and use of these drugs shall be repealed.

Men are still violating the white-slave law, but so far as we know no one has yet had the temerity to come out and for his own satisfaction urge the repeal of that law.

And bearing on the disgrace to Great Britain in permitting its flag to float over rum ships, the Baptist Times of London, one of the foremost religious papers of England, lately editorially said:

"Last week the King signed the new treaty which gives the American authorities the right to search vessels for contraband liquor within twelve miles of the coast, instead of within three miles, as formerly. This removes, in part, the stain on the British flag under which this illicit traffic is so often carried on, for it is a public declaration to the world that our Government reprobrates the action of the rum-runners. That is well as far as it goes, but it is not enough. The Government ought to take some active steps to stop this abuse of the flag. These contrabandists clear for the most part from British ports in the West Indies and elsewhere. Their cargoes and their destination are well known, and if they cannot be prevented from loading their vessels with whisky, at least the papers should be withheld which enable them to leave the ports.

"We ought to do everything in our power to clear ourselves from even the suspicion of complicity in this scandalous traffic."

WHERE WORKS MUST BACK UP FAITH.

(Extracts from a Texas letter.)

"I read your wonderful periodical and I must confess that it is the most valuable one that comes to my desk."

"The great work you are doing to forward development in the South must be a wonderfully compensating thought to you."

"If we can get our Texas people to quit boasting of our size, quit bragging about the state being the great source of supply of raw products and get down to developing natural resources which God has given us, we could in a few years hence be to the Latin-speaking countries south of us what New England has been to the United States for the past one hundred years—their workshop and bankers."

"Our country and our city is growing, but sometimes I think we citizens deserve little credit for it, and that it is growing in spite of us, rather than as the result of any efforts upon our part."

"I owe my state and my city so much more than they owe me that I want to do something helpful to promote its welfare and develop the talents which we have had given to us."

"It is such an inspiring sight to go through the Carolinas and see what those Southeastern states have done along the lines of industrial development, that it is a sickening and disappointing feeling to have to come back home and realize that we have so long been content to live off the products of our soil and send our raw products to far-away markets to be converted into finished materials."

"But a brighter day is ahead of us. Our people are awakening. They see the possibilities, and I like to picture, not only Texas, but our whole Sunny South as a country filled with happy and contented people and prosperity all around us, and that time is coming."

"If we would just but stop long enough to take stock of what we have and then make the most of what we have, we could really believe that we are God's Chosen People."

What a superb statement of the case is here outlined by Rudy Copeland, of Fort Worth, Tex., the writer of the foregoing statement, which appears in a letter to the MANUFACTURERS RECORD! Is it not true, as he says, that great as has been the progress of the South, some of its people do not

deserve full credit because its resources are so great that its progress thus far has been inevitable?

This section should thank heaven for its abounding resources; but these resources spell *opportunity*, and opportunity spells *responsibility*.

These resources have been given to the South as a trustee to be developed for the employment of labor and the enrichment of the world.

Not only are the statements made by Mr. Copeland as to Texas true as to that state, but they are true as to the whole South. Here are limitless opportunities; billions of undeveloped wealth unutilized because the South has not made the most of the situation.

THE TARIFF IS NOT A PARTY "ISSUE," BUT AN AMERICAN PRINCIPLE.

THE following plank from the Republican party platform, adopted by the National Convention at Cleveland, is respectfully referred by the MANUFACTURERS RECORD to the delegates from the Southern states to the Democratic Convention at New York, June 24:

"We reaffirm our belief in the protective tariff to extend needed protection to our productive industries. We believe in protection as a national policy, with due and equal regard to all sections and to agriculture, industries and occupations. It is only by adherence to such a policy that the wellbeing of the consumers can be safeguarded and that there can be assured to American agriculture, to American labor and to American manufacturers a return to perpetuate American standards of life. A protective tariff is designed to support the high American economic level of life for the average family and to prevent a lowering to the levels of economic life prevailing in other lands.

"It is the history of the nation that the protective tariff system has ever justified itself by restoring confidence, promoting industrial activity and employment, enormously increasing our purchasing power and bringing increased prosperity to all our people.

"The tariff protection to our industry works for increased consumption of domestic agricultural products by an employed population instead of one unable to purchase the necessities of life. Without the strict maintenance of the tariff principle our farmers will need always to compete with cheap lands and cheap labor abroad and with lower standards of living."

For some reason, or no reason, the tariff always has been a political, a partisan, issue; it should not be so. A protective tariff should be a national principle, regardless of party differences on other lines. A protective tariff is a national necessity to the United States, for the maintenance and continuance of the American standard of living. Shall any person, state or section of the country vote for free trade and deterioration to European or Oriental wages and living standards merely because, many years ago, certain practical politicians sought an "issue" between two great parties and happened to choose the tariff?

One of the boasted principles of the national Democratic party is Americanism. Free trade is not Americanism. In Americanism are embraced national and individual prosperity and contentment, and free trade brings neither. Free trade is the starting point of the bread line.

The South must take the lead in converting the party of which it is "the backbone" to a realization of the fact that the tariff is not a partisan "issue," but an American principle. If the Democratic Convention adopts a free-trade plank or nominates a free-trade man for President, it will spit in the face of hundreds of thousands of Southern farmers and business men who know that a protective tariff is essential to their prosperity.

AN IMPORTANT ADVANCE STEP BY THE NAVAL STORES INTERESTS.

O. H. L. WERNICKE, president of the Pensacola Tar & Turpentine Co. of Pensacola, Fla., whose recent address on naval stores formed the basis of a lengthy editorial in the MANUFACTURERS RECORD, gives an interesting outline in a letter to this paper of research work which is to be carried on in this country and in France by the naval stores people. This movement is one of very great importance, and the naval stores people of the country are to be congratulated upon this advance step. In the course of his letter Mr. Wernicke writes:

"This is to acknowledge the mention made in the MANUFACTURERS RECORD of April 10 of my naval stores address at Savannah last February and to commend your enterprise in boosting the South in so many helpful ways on every proper occasion. Your recent announcement of a special edition that will tell of the South's progress up to date is received with feelings of keen delight; its publication may be expected to record developments and portray opportunities of nation-wide significance.

"It may interest you to know that one of the results of the recent get-together naval stores conference was expressed in a unanimous resolution which authorized a committee to formulate a broad plan of permanent organization which is to include conservation of young timber and all other divisions of the industry. A commission to visit France and study its naval stores methods during the summer of 1924 under the auspices of our State Department was also authorized and is now being organized. The industry seems now to realize that the situation demands a forward march from the ancient methods which have dominated the industry for more than three hundred years on this continent.

"It is, indeed, remarkable that the industry has so long survived without some co-operative agency through which the future welfare of the industry could find expression. The feeble attempts at common understanding that were made heretofore sought to regulate the supply of naval stores and control the labor employed in its production, with the inevitable consequences that overtake all such fallacies.

"Permit me to say that I fully concur in the views which you have expressed in your published comments as to the need of chemical research to extend the use of naval stores. My formal address was not intended to discourage that sort of thing, but to sound a word of caution against premature and inadequate efforts. There are many vital problems to be dealt with in the order of their importance and expediency, among which that of chemical research is but one; it also presents peculiar difficulties for the inexperienced while their precise objectives remain obscure. In my judgment, it will be the part of wisdom to support one or more fellowships in the Mellon Institute or the M. I. T., rather than attempt the inevitable wastes of duplication and time incidental to the organization of a separate staff. The greater need of the industry is to learn how to make better use of existing knowledge first.

"A brand-new organization requires confidence in itself, based on progressive achievements; it must learn to walk before it may run, and will progress most rapidly if it does not stub its toes too often with discouraging consequences. The vital problem confronting the organization committee at this stage of the game is to sell the need of the organization to those whose financial and moral support are necessary to make any plan successful."

In a later letter from Mr. Wernicke he said:

"You may be interested to know that the Savannah Naval Stores Conference last February created a commission

to study French methods. This body will sail from New York city July 9 on the steamer President Roosevelt under sanction of the United States Government. The same conference also created a committee to formulate a plan of permanent organization for the industry. J. C. Nash, president of Columbia Naval Stores Company, Savannah, is the general chairman of the conference, and can give you the revised list of those who will compose the commission."

AN OPPORTUNITY FOR THE SOUTH TO INCREASE ITS PROSPERITY.

EVERY person interested in the South's economic development, particularly through dairy farming, will do well to read the article in this issue entitled "The South and The National Dairy Exposition." As pointed out in this article, the dairy exposition, which will be held in the world's greatest dairying state, gives the South a splendid opportunity not only to study how the most successful farmers in this country have solved their problems through dairying, but also to tell the world about the remarkable advantages the South offers for promoting this system of farming.

Leading Southern business men already are in the middle West preparing the way for other Southern delegates to the exposition. Their investigations are reported to have led them to vision great possibilities for the South in the direction of dairying, which has played such an important part in the upbuilding of other portions of the country.

The attendance of Southerners at this exposition is something to be encouraged. Not only should leading bankers, railroad officials, merchants and farmers make arrangements to go to Milwaukee, but every Southern state should have on hand an abundance of illustrated literature telling the story of the South and its bright future. Already dairying has progressed in this section to the point that we know there is much to offer others who can come in and help carry on this work. It is a matter that recommends earnest thought.

THE SOUTH STUDYING PAPER-MAKING SITUATION.

PUSEY & JONES COMPANY of Wilmington, Del., manufacturers of paper machinery, have for some time been carrying an advertisement in this paper designed to interest the South in its great paper-making possibilities. In one of these advertisements, appearing in a recent issue, they have the following:

COMMENDABLE INTEREST

Proving our contention that the South can be awakened to its paper-making opportunities, we have received these inquiries, mostly serious ones:

North Carolina	10	South Carolina	9
Florida	8	Georgia	7
Virginia	5	Mississippi	4
Louisiana	5	Arkansas	4
Tennessee	7	Alabama	6
Texas	4	Maryland	2

All through the columns of The MANUFACTURERS RECORD.

PUSEY & JONES CO.
Wilmington, Del.

Two interesting facts stand out in this advertisement. One is the value of the MANUFACTURERS RECORD as an advertising medium to interest people in the development of new industries in the South, and the other is the widespread interest shown by the people of this section in turning their attention to paper making. The total number of inquiries noted is sixty-nine.

RAILROAD REGULATION BY GOVERNMENT CAUSED ABANDONMENT OF 3500 MILES.

YEARS ago when the Interstate Commerce Commission demanded and obtained authority to fix rates for railroad transportation, both freight and passenger, the MANUFACTURERS RECORD said that this grant of power to a Government body to say what the people would have to pay the railroads for public service would ultimately cost the country more than it would gain. The facts have proven the soundness of this judgment many times, but never with more emphasis than in the abandonment of many railroads as a direct consequence of too much Government regulation and adjustment without proper regard to economic fundamentals.

Statistics given by the Railway Age for the entire country show that the total railroad mileage in the United States has declined about 3500 miles in the last eight years, and particular attention is directed to this serious falling off because the Chicago, Peoria & St. Louis Railroad is in a receivership, and it is contemplated to abandon operation of the line, which is 245 miles long, because it has been made unprofitable in consequence of the restrictive policy of the Government authorities. Reference has been previously made in the MANUFACTURERS RECORD to the sad plight of this railroad, which serves 49 grain elevators, six coal mines and 21 other industries. Twenty towns and villages will be left wholly without railroad facilities if abandonment is decided upon, and if that should be these places in winter time would have to reach other railroads over dirt roads which are then well-nigh impassible for any vehicle and motor trucks carrying freight would be mired if it were attempted to operate them over such highways.

The worst about the situation at Washington concerning the railroads is that in Congress there are so very many members who appear to think that the railroads can bear any burden that the Government may choose to place upon them. They demand railroad facilities full and commodious, and in the same breath they demand with equal vehemence that railroad freight rates shall be established at a low level, so low, it is stated by numerous railroad executives of experience and who are held in esteem, that their companies would be practically shut out of the investment market in disposing of securities to raise funds for extensions and improvements, and consequently the very people who are clamoring for lower rates would be those who would suffer most should the railroads, as predicted, be prevented from fulfilling their plans for enlarging and bettering facilities.

There is a happy medium which ought to be found and which could easily be discovered were it not for the fact that there are so many members of Congress who are literally in fear of their constituencies. These legislators are thinking more about what their voters clamor for instead of what would be of the most good to those voters; they are not leaders but trimmers, and, worst of all, the popular election of United States Senators has intensified this ailment of the body politic—something which the founders of the Government tried to prevent when they provided that the Senators should be elected by the Legislatures of the states, thus giving them individual independence in that they were responsible to their respective states instead of to the people composing the population of those states.

This is the situation at Washington as we have it, and a great turnabout in public opinion would be required to restore things as they were. This being so, the idea of Congress itself fixing railroad rates is abhorrent. It is bad enough to have the Interstate Commerce Commission fix them, but it would be a hundred times worse to have a lot of vote-seekers and vote-keepers in the legislative halls undertake the task. Whatever may be the faults of the Commission in its regulation of the railroads, it investigates

and considers before it acts, whereas most Congressmen do neither; they seek to do that which will make them solid with their constituencies and assure their re-election. It is, therefore, to be earnestly urged and hoped that Congress will leave railroad rates alone and let the Commission decide them, otherwise we may have more railroads abandoned and their rights of way turned over to the rabbits, the foxes, the gophers and the prairie dogs, because it will no longer be possible to operate them with sufficient net return to maintain them and give public service.

NOT THE SAME KIND OF A SPRING.

WITH the statements made by the National City Bank of New York, in its business circulars sent out each month, we often agree, but in the one published June 3 there is a paragraph which we cannot pass without dissent.

In discussing conditions which are causing the letting down in business the circular states: "In addition to these conditions affecting particular industries and localities, the spring season has been generally unfavorable to trade, being cold with many rainy days. *It has been this same kind of a spring which broke the high-priced markets for goods in 1920*" (italics ours).

It is not necessary to argue about the weather, which has been bad enough and which probably has been much worse than it was in 1920, but it was not the weather that broke prices in that famous spring four years ago, when credit was withdrawn or offered at such a high rate and under such conditions that the bottom fell out of business. It was a more serious thing than the weather that caused a loss to industry and agriculture in this country of over thirty billions of dollars.

This year credit is abundant and banks are seeking borrowers. There has been undeniably a letting down in business, but, because of fundamental conditions, we do not believe it will last nor be anything like as serious as the blackness of the misery of the dark days of 1920. The industrial authorities of the country already see better times and think we have touched the bottom of the present temporary slowing up. C. W. Barron, the economist, says we are preparing now for five years of the greatest prosperity this country has ever known. Stocks of merchandise on shelves are low; buying has been done from day to day and in a hand-to-mouth manner. The country is far from being overstocked, and with money at reasonable rates and credit abundant we have then to worry only about the all too apparent puzzle of weird legislation and a patchwork tax law that we can only hope will be mended the next time Congress meets.

In spite of these latter unfavorable signs, the virility of this country and its resiliency are so great there is no doubt of the fact that business will go onward and upward and our wealth increase, probably, in the next five years more than it has in any similar period of our history.

NEW ENGLAND TURNS TO IRON MAKING.

AN interesting phase of New England's development is the proposition of the New England Fuel & Transportation Co. to build at Everett, on the Mystic River, a \$5,000,000 blast-furnace plant. This plant is to include, according to a report in the Boston Transcript, four units of 400 tons daily capacity each, the first to be put under construction promptly. This plant is to use foreign and domestic ores. In connection with it, an ore dock for the direct unloading of ore and limestone is to be built. The coke is to be furnished in the company's existing by-product coke-oven plant. Messrs. Freyn, Brassert & Co., engineers, of Chicago, are consulting engineers for the construction of the plant.

In the early days, indeed as far back as 1643, an iron-making plant was established by John Winthrop on the

Saugus River, but pig iron production long ago ceased to be a factor in New England's industrial development. The establishment of this extensive plant only indicates what has taken place through all New England's history. When one industry has ceased to be profitable some other has been created to take its place. When whaling was no longer a source of New Bedford's wealth, the people of that community turned to cotton manufacturing; and now that there is some danger that much of New England's cotton industry may move southward it is interesting to note the proposed revival of its iron industry.

No one need despair of New England and its industrial future as long as the descendants of the old New England stock can control the business affairs of that section. The greater danger which New England faces is the overpowering preponderance in its population of foreign stock, which is proving a handicap against which the descendants of old New England stock must labor unceasingly to carry on.

Views of a Minister Who Always Preaches the Gospel.

Baltimore, Md. June 18.

Editor Manufacturers Record:

The preachers of this country owe you much for many things. You help them constantly by the fearless way in which you attack flagrant evils and champion causes which are unpopular among certain classes of the country.

In the MANUFACTURERS RECORD of June 12 you justly rebuke those promoters of good causes, such as the improvement of politics, live stock, front gardens, social life, sidewalks, the milk supply, nursing bottles, country graveyards, etc., who put into the program of their "Special Weeks" a "notice from the pulpit" and a "sermon from the pastor."

You ask this pertinent and timely question, "When will business men and organizations of all kinds, philanthropic and otherwise, realize that their campaigns should not be conducted from the pulpit?" If the word "political" had followed the word "philanthropic" the question would have been even more enthusiastically approved by some preachers. But I am sure this was in your thought, and I am grateful.

O. C. S. WALLACE.

How a School House Was Built.

An interesting episode in the history of school bond issues in the South is recalled by the Hillsboro Mirror of Hillsboro, Tex., in a sketch that covers the facts in "Forty-Three Years' Work For Hillsboro," which has been done by J. R. Thompson, Sr., who is still active in the service of the city. It says that at a time when it was unpopular to support public schools by private taxation Mr. Thompson was appointed one of the trustees for the schools and in the early eighties a mass-meeting was held to create public sentiment in favor of issuing school building bonds, the local schools being then in miserable quarters. Mr. Thompson presided.

There was at that time no law in Texas permitting cities to bond themselves for erecting school buildings, but they could be issued for city halls, so the first school bonds issued at Hillsboro were ostensibly for a city hall, yet it was not used as a city hall but for a school and it cost only \$12,000. It was completed in 1886. In 1890 the enrollment of pupils was 323, with a per capita cost of \$4 for the eight months' term.

Book on the Port of New Orleans.

A book of 230 pages concerning the Port of New Orleans, La., and marked "Port Series No. 5," has been published by the War Department, Corps of Engineers, United States Army and United States Shipping Board. It is very complete with several inset maps and illustrations, the whole being of much interest to everyone in any way related to port development.

Spending \$119,000,000 in Alabama on Hydro-Electric Operations.

GIGANTIC PLANS OF ALABAMA POWER COMPANY.

[Telegram to Manufacturers Record.]

Birmingham, Ala., June 13.

The Alabama Power Co. will spend approximately \$39,000,000 during the next 12 to 15 years in the construction of six dams on the Tallapoosa River, which will have a total primary capacity of 90,000 horsepower, the maximum capacity of the stream in the space covered by the projects. They will enable the company to store sufficient water during flood seasons to carry Coosa River plants through time of drouth and to make four-foot navigation on the Alabama River to the Gulf of Mexico possible throughout the year.

It is estimated that, in addition to the \$39,000,000 to be spent for construction, about \$80,000,000 must be devoted to building transmission lines, substations and other distribution equipment. Cherokee Bluffs, largest of the projects, has been under construction for a year, and the Camp First cofferdam, railroad and transmission line joining the company's system at Montgomery have been completed. This dam will be 150 feet high and will form a lake containing 60,000,000,000 cubic feet of water and covering 39,200 acres. Initial installation here will be two units of 45,000 horsepower each. Cost of Cherokee Bluffs is estimated at more than \$10,000,000 and date of completion approximately two years hence.

In addition to the six new dams, a 7800-horsepower project at Lower Tallassee, on the Tallapoosa, below Cherokee, was completed May 5, and work at Tallassee Falls, another Lower Tallapoosa development, is in an advanced stage. The company will continue work on the Tallapoosa without interruption until the last of the dams is completed.

ALABAMA POWER COMPANY.

Supplementing the foregoing, the company writes the MANUFACTURERS RECORD that the Tallapoosa river has a small capacity of "run-of-river" power but large storage possibilities, which make it possible to impound sufficient water during flood seasons to operate the plants during the dry season to carry the load of the "run-of-river" plants on the Coosa River and thus reduce, in a measure, the need for stand-by steam power. The same water will be set to work again and again, turning the wheels of each dam as it passes from one to another.

General Manager, E. A. Yates, of the Alabama Power Co. states: "We are developing the Tallapoosa on a comprehensive scale to regulate the minimum flow, which is probably 360 second-feet in the low season. Now, the maximum flow is in excess of 100,000. With the storage reservoirs that we will create, we will regulate that flow to approximately 3500 second-feet. That has the effect, of course, as provided in the Federal Water Power Act, of improving navigation in the Alabama River.

"The license, recently issued to us by the Power Commission, for the construction of the six dams provides that we must permit a certain amount of this water at certain times to pass, with the thought that it will put water in the Alabama River in the low season and raise the depth of the water and permit navigation the year around. Of course, it has an effect

on the flood situation also. That reservoir is a tremendous reservoir, of 50 square miles. In ordinary conditions it will be operated with the water surface a few feet below the crest of the dam. There is an immense pondage then available to take the peak of a flood and taper it off."

Lakeland Votes \$1,069,000 for Improvements—Will Build \$300,000 Hospital.

Lakeland, Fla.—Bonds in the amount of \$1,069,000 have been voted here for various improvements, including the erection of a \$300,000 hospital. Other projects and the amounts for each are as follows: Purchase site for city hall and municipal auditorium, \$100,000; library building, \$75,000; purchase 80 acres and equip athletic field, \$87,000; establish fire station on north side, \$25,000; municipal abattoir, \$40,000; negro hospital, \$25,000; stockade, \$20,000; combination jail and central fire station, \$40,000; incinerator, \$20,000; improve lake shore and develop public parks, \$17,000; improvements at Roselawn cemetery, \$15,000; comfort station in Munn Park, \$10,000; fire station on South Side, \$20,000, and erection of city hall and municipal auditorium, \$275,000.

Contracts for \$1,000,000 Hotel at Durham.

Durham, N. C.—General contract for the proposed \$1,000,000 hotel to be erected here by the Citizens Hotel Co. has been awarded to the Blackford Construction Co. of Durham, the contract stipulating that the building shall be completed by September 1, 1925. The structure will be sixteen stories instead of twelve stories high as at first intended. Stanhope S. Johnson of Lynchburg, Va., is the architect.

Other contracts have also been awarded as follows: Heating and ventilating, Dermott Heating Co.; electrical work, Durham Public Service Co., both of Durham, and plumbing, Hunt Bros. of Greensboro, N. C.

Considering \$1,000,000 Pier for St. Petersburg.

St. Petersburg, Fla.—At a recent meeting at the Chamber of Commerce here a committee headed by Lew B. Brown recommended to the civic board the erection of a recreation pier on the waterfront to cost about \$1,000,000. Drawings presented by Mr. Brown call for a concrete pier 150 feet wide, extending into the water 2000 feet. A pier-head 300 by 400 feet has been provided in the plans, as well as a 12-foot sidewalk, two 40-foot driveways, one at either side of the pier, and space for street car rails the entire length. Provision has also been made for fishermen.

Contract for \$1,500,000 Store.

Contract for the proposed \$1,500,000 store building to be erected in Baltimore by the Bernheimer-Leader Store, Inc., has been awarded to M. A. Long Co., Baltimore. The building will be eight stories, basement and sub-basement, 156 by 91 feet, of marble, limestone and brick construction. Additional stories may be erected later.

Smith & May of Baltimore are the architects, and Starrett & Van Vleck of New York are consulting architects, while Tausig & Flesh of Chicago will handle interior architectural details. C. L. Reeder of Baltimore is the engineer.

BIG POWER DEAL MAY MEAN EXPENDITURE OF \$60,000,000.

Philadelphia Electric Company Reported to Acquire Controlling Interest in Susquehanna Power—Plan 500,000 Horsepower Development at Conowingo, Md.

An immense power deal which may prove of tremendous importance to the industrial development of portions of Maryland, Pennsylvania, Delaware and New Jersey, and which, it is said, may mean the expenditure of \$60,000,000 for a hydro-electric development at Conowingo, Md., on the Susquehanna River, is being negotiated by Drexel & Co., bankers, of Philadelphia. It is stated that this firm, acting for the Philadelphia Electric Co., will exercise an option for the purchase of a majority of the voting stock of the Susquehanna Power Co., of which George Bullock of New York is president, although details of formal transfer have not been completed.

About a year ago the initial step for a big water-power development at Conowingo was taken by the Susquehanna Power Co. when it applied to the Federal Power Commission for a permit to make a preliminary survey for a hydro-electric plant, the company at that time having five sites under consideration. Tentative plans provided for the construction of a dam across the Susquehanna River, which would be about 103 feet high and not more than 110 feet wide. It was estimated that the entire development as proposed would result in the production of 360,000 horsepower of energy and would involve a cost of \$40,000,000. According to current reports, these plans will be changed by engineers of the Philadelphia Electric Co. in order to provide for a plant with an ultimate capacity of 500,000 horsepower, which, it is estimated, will cost from \$50,000,000 to \$60,000,000. The construction of such a plant would require probably at least three years and give employment to 1500 men.

Details for financing the deal have not been announced, but it is understood that the directors of the Philadelphia Electric Co. will hold a meeting within the next few weeks for the purpose of considering various phases of the transfer.

The Susquehanna Power Co., which is controlled by the United Gas & Electric Corporation of Connecticut, with offices in New York, owns exclusive water rights on both sides of the Susquehanna River for a distance of more than fifteen miles, from a point near Holtwood to a point a short distance below the Conowingo bridge. The development of these rights, as proposed by the Philadelphia Electric Co., in the opinion of engineers connected with that company, will enable numerous electric light and power companies operating in southern Pennsylvania, New Jersey, Delaware and Maryland to increase their source of current with cheap power to be developed on the Susquehanna River. It is also thought that it will promote the merger of a large number of smaller power companies in the eastern part of the United States as a part of the super-power plan recently suggested by the Secretary of Commerce, while another suggestion is that it will permit the Pennsylvania Railroad Co. to proceed with the electrification of its line between Washington and Philadelphia as a part of a general plan to electrify the entire system.

New Plant for Truck Bodies.

Atlanta, Ga.—Plans are being prepared by Lockwood, Greene & Co., engineers, of this city and Boston, Mass., for a new automobile truck-body manufacturing plant to be erected here for A. C. Miller & Co. The plant will be three stories and basement, 75 by 180 feet, of mill construction. Woodworking machinery will be installed in the basement,

which will also be used for the storage of lumber, general supplies and coal, while the first floor will be devoted to offices, show room, forge shop and general woodworking shop. The third floor will be used for painting and trimming.

A concrete ramp for trucks will extend from the street to the plant, which will be equipped with a large automobile elevator. A sprinkler system will also be installed.

British Cotton Export Figures.

Manchester, England, May 14—[Special.]—Shipments of cotton yarns and manufactures during April from the United Kingdom amounted to £16,567,778 and the total of manufactured articles to £48,277,191. For the four months to the end of April this year the figures are £64,837,471 and £196,436,068, compared with £58,823,826 and £190,313,493 for the corresponding period of 1923.

Cotton piece goods shipments in April absorbed £12,698,961, the square yardage being 377,718,400, against £12,141,107 and 353,983,100 square yards in March and £10,274,122 and 316,278,700 square yards in April last year. The exports for the four months January to April, 1924, amounted to £50,134,207 and 1,482,737,600 square yards, compared with £46,265,210 and 1,396,236,900 square yards for the first four months of last year. The following are the principal instances of increased shipments in the quantities in the four months ended April this year on the corresponding period of the previous year, the figures representing thousands of square yards: China (including Hong Kong), 44,829; Switzerland, 32,974; Bombay, 18,124; Germany, 16,544; Turkey, 11,034; Dutch East Indies, 10,103; Greece, 6101; Bengal, Assam, Bihar and Orissa, 5105; Belgium, 4247; Morocco, 3880; United States of America, 3691; Egypt, 2918. The decreases are: Argentine Republic, 16,438; British West Africa, 12,859; Australia, 10,070; Chile, 9101; Ceylon, 8588; Colombia, 7233; Portugal, Azores and Madeira, 6082; Iraq, 5439; Straits Settlements and Malay States, 3928; Canada, 2689; New Zealand, 2626; British East Africa, 2090.

During April, 1924, 16,082,100 pounds of cotton yarn of a value of £2,673,470 were sent abroad, compared with 13,172,000 pounds and £2,190,168 in March and 10,895,400 pounds and £1,566,127 in April, 1923. For the four months to the end of April the figures are 54,367,500 pounds and £9,062,196, against 47,621,900 pounds and £6,696,114 in the January-April period of last year. The markets by which larger quantities have been taken during the four months this year compared with the preceding year are as follows, the figures representing the increase in thousands of pounds: Germany, 6931; Switzerland, 1168; Roumania, 938; France, 897; Bombay, 685; Belgium, 587; Austria, 462; China (including Hong Kong), 354. Decreases are recorded for the following: Netherlands, 1913; United States of America, 1001; Bulgaria, 845; Argentine Republic, 682; Egypt, 363; Turkey, 281; Madras, 275; Norway, 177.

To Acquire Electrical Properties.

Mexico, Mo.—Officials of the Missouri Power & Light Co., whose main offices are located here, have announced that the company has entered into an agreement to acquire the properties of the North Missouri Power Co., whose home office is at Excelsior Springs, Mo. These properties consist principally of generating stations and transmission lines and are located in 50 cities and towns in the northern half of Missouri. Stockholders of the Missouri Power & Light Co. will meet here on August 8 to ratify the merger and authorize an increase in the capital stock of the company.

The acquisition of these properties is said to be the first big step in the development program of the Missouri Power & Light Co., which was organized last fall, to develop public utility properties in Missouri.

The South's Opportunity and the National Dairy Exposition.

THE STORY OF WISCONSIN'S AGRICULTURAL PROSPERITY THROUGH DAIRYING TO BE STUDIED BY SOUTHERNERS AT MILWAUKEE'S DAIRY EXPOSITION.

By CRADDOCK GOINS, Milwaukee.

The South is bringing its boll weevil problem North. That is what a number of leading agricultural observers see in the present keen interest felt by Southerners in the National Dairy Exposition to be held in Milwaukee September 27 to October 3. For the first time in the history of the dairy industry the South will be widely represented at a national dairy exhibit. One reason is, the South only recently has taken up dairying in earnest. Peculiar interest is felt in the 1924 dairy exposition for the reason that it is to be held in the state where, some years ago, farmers were just as badly afflicted with a crop pest as the South is with the boll weevil.

Already there is assurance that several trainloads of Southern business men, bankers, railroad officials, farmers, farm experts and all classes of people interested in the South's economic advancement will visit Wisconsin during this summer and the coming fall. Mississippi now has a large delegation of business men touring the dairy centers of Wisconsin and making arrangements for an even larger delegation when the exposition opens in September. These visitors will be engaged for some time in seeing how Wisconsin, with the aid of persistent dairy pioneers, built up the most prosperous farming system in the history of the world after the terrible chinch bug had made wheat growing a most hazardous undertaking and was forcing Wisconsin farmers to the very brink of disaster.

A. L. Mordt, who represents the Lowndes County (Miss.) Farmers' Co-operative Association, has spread the news in Wisconsin that Governor Henry L. Whitfield will be at the head of the delegation from Mississippi when the dairy exposition opens. At this writing local chambers of commerce in Wisconsin are being asked to furnish halls for visitors from the South to meet dairy farmers of the Badger State and compare notes. Having so much in common with the weevil-plagued Southerners, Wisconsin farmers are giving their visitors a very cordial reception and are taking much interest in their problems.

The organization of farmers in Lowndes county, Mississippi, was formed to study the advisability of diverting efforts to dairying. Lowndes county is in the midst of what is known as the black lime prairie belt, a strip of land at the foot of the Appalachians some 20 miles wide and 100 miles long. The center of this district is only 80 miles from Muscle Shoals. A committee of approximately 100 from this association will follow Mr. Mordt's advance guard to Wisconsin in September. Meanwhile, the suggestion is made in Wisconsin that each community visited and to be visited by the Southerners form an expedition to go South during the winter and co-operate with the cotton farmers in getting started on dairying.

Of particular importance is the effort being made by the Mississippians to have some one in Wisconsin establish a sales farm in his state where pure-bred stock can be bought. Pure-bred stock is the foundation of successful dairying. The South will make much greater strides in advancement when the "scrub" cows are replaced by high-producing animals that more than pay for their board. Proper feeding of dairy

cows is one of the important things the Southern farmer can learn at the National Dairy Exposition.

The exposition will be held in the Milwaukee auditorium and at the Wisconsin State Fair Grounds, just outside the city limits, the cattle and dairy farming equipment to be largely exhibited on the fair grounds, while dairy manufacturing equipment will be exhibited in the large auditorium. Before, during and after the exposition there will be numerous excursions over Wisconsin dairy farms, where visitors can see at first hand how the business of dairy farming is conducted. There will be complete studies in dairying from the time before the feed is grown for the cow till the time the milk has been taken from the cow and manufactured into butter, cheese, ice cream and condensed milk.

W. E. Skinner, secretary of the National Dairy Association, under whose auspices the dairy exposition will be held, recently informed the writer that never before in his connection with dairying activities has he known such interest to be felt in the South over an event of this kind.

It is not to be understood that the South is sending its representatives to the National Dairy Exposition merely to look and listen. The South has a story of its own to tell. One of the things that will be apparent from the outset is that the South's progress in dairying development will be greatly accelerated by letting the people of this section know what the South offers in naturally favorable conditions for dairying. That is, the South has a splendid opportunity not only to study the industry from master dairymen but also to tell those dairymen that they have never, never seen a section of the country where there is so much in favor of this industry as in the Southern states.

C. A. Hutton, in charge of dairying at Louisville and the University of Tennessee, Knoxville, is working with the Louisville & Nashville Railroad officials in plans for an excursion of Tennessee farmers and business men to visit the dairy exposition in "America's Dairy Capital." James J. Harvey, Southern manager of Bessire & Co., who for many years was one of the leading dairy experts of Indiana before going to Atlanta to take up his present work, will head a party of Georgians who have become interested in the big things Wisconsin has accomplished through dairying. North Carolina, which has quietly and steadily gone forward in dairying in recent years, is assured of large representation at the exposition. This state's interest in the future of dairying is evidenced by the fact that the State College of Agriculture has installed modern equipment valued at \$57,000 to offer courses in dairy management. All this equipment is of the highest type, electrically driven. The courses will consist of the testing of milk and milk products, creamery butter making, ice-cream making, cheese making and city milk supply work.

The people of the middle West are as much interested in the Southerners as the latter are in this section. The Southern visitors have made themselves popular by their keen interest in the work that has gone on here, their evident enthusiasm and their own high hopes for their section. Both the visitors and their hosts are learning much about each other.

Not only will the South do well to take in every angle of the dairy exposition, but also it should give very earnest thought to the matter of a similar exposition in the Southern States. From the knowledge to be gained at this exposition,

Southerners can learn much about arousing the interest of Southern farmers in this new and advanced method of farming. In this way they can give dairying an impetus that will solve many of the South's problems—particularly farm problems.

Wilkes county, Georgia, is making a strong bid for dairy settlers from Wisconsin, and Guy Guthridge, secretary of the Washington-Wilkes Board of Trade, Washington, Ga., is directing an energetic campaign telling of his section's natural advantages for dairy settlers.

Indian Cotton Industry Reported as Having Promising Future.

Manchester, England, June 6—[Special.]—At the British Empire Textile Conference, held at Wembley on June 10, a valuable paper on the present position of the textile industries in India and trade with Great Britain was read by K. S. Rae, the textile expert to the Government of Bihar and Orissa, India.

He said that approximately there were 2,000,000 looms distributed all over the country, and the number of people, including women and children, engaged in the weaving of cloth and the subsidiary processes is about 8,000,000. Indian cotton mills as yet find work for only 300,000 people. He stated that the annual consumption of cloth used in pre-war days was as much as 5,000,000,000 yards, half of which came from Lancashire. Hand weaving finds employment for 8,000,000 people and produces as much as one quarter of the cloth requirements of the country. The situation in India was undoubtedly very complex and the distress caused by the sudden cessation of imports of Lancashire cloth during the war has not seen a marked improvement in local production. Owing to the economic distress and enormously high prices ruling owing to the war, the purchasing power of India has been crippled and she now consumes on an average only 1,244,000,000 yards of Lancashire cloth, besides her own production of 2,514,000,000 yards woven both by the mills and on hand looms, which total is less by 25 per cent of her normal consumption.

With regard to the prospects in India, Mr. Rae said that even taking the lowest estimate India's demand in the course of the next ten years is likely to increase to 5,000,000,000 yards of coarse cloth, besides 2,500,000,000 yards of finer qualities that used to be imported in pre-war days. "The reason why I hold that the Lancashire mill owner has no need to be apprehensive of the falling-off of Lancashire's position in the near future at any rate is that economic development in any part of the world is, and always must be, a matter of time. There is bound to ensue in the course of the next few years greater trade with Britain, more especially in the line of cotton-cloth imports," said Mr. Rae. He stated that the supplies in India are bound for years to come to fall short of the demand; therefore, Lancashire, with its privileged position, must undoubtedly maintain itself in a better state than has hitherto been the case.

Contract for Hotel at Suffolk.

Suffolk, Va.—Contract has been awarded by the Tidewater Hotel Co. to the Johnson Construction Co. of Norfolk, at \$261,400, for the erection of its proposed hotel here at Main and Market streets. The building will be eight stories, of fire-proof construction reinforced concrete and face brick. On the first floor of the Main street side, there will be a coffee room, stores and the main entrance of the hotel, while the Market street side will afford space for the dining room, adjoining grill room and another entrance. A private banquet room will be located on the second floor. J. G. Peebles of Norfolk is the architect.

CREATING "AN INTERNATIONAL FEDERAL RESERVE SYSTEM."

"We Are All Getting Dressed, Ready to Go, But God Alone Knows Where."

By A. F. THOMAS, Lynchburg, Va.

Anent the Washington special in the MANUFACTURERS RECORD of April 22 under the caption, "Has a New Epoch in American Finance Been Reached?" I was informed several weeks ago of this matter. It seems to be a part of the Dawes plan. The latter, I think, is a move on the part of the international bankers to organize the world financially. The fact that the plan was so readily accepted shows that it was predigested—that the parties in interest had already gotten together before the Dawes report had ever been made. This, however, aside. The proposed international bank will in practice be the controlling factor in the arrangement. *This bank in collaboration with the Federal Reserve system, will have absolute power to move the world's price level up or down at will.*

The proposed international arrangement would definitely settle the question of gold shipments, since the concentration of the gold in the hands of the Federal Reserve system would furnish the basis for credit issue. It would, however, not be a standard of value, but would only serve to indicate the amount of inflation that the system could perpetrate. In effect, the proposition contemplates that the unsound principle of credit inflation shall be applied internationally.

The Dawes plan places the German nation under tribute through the control of its credit, transportation and industry and at the same time relieves it of a part of its reparation debts through the advance in international prices that will follow the inflation of international credit. That this system will likely fulfill the expectations of its most optimistic friends for a while is entirely probable, but just what the final reaction will be can be better imagined than described. It looks like a case of preparation for a world joy ride on the "Blue Sky Unlimited" with Fool's Paradise as the first stop. The bankers' rake-off seems about the only thing that can be regarded as assured.

You will recall that the "kiting of credit" arrangement now in the Federal Reserve system was "made in Germany" and brought over and engrafted on the American credit system. If this internationalization of this destructive, unsound principle, putting the world at the mercy and under tribute to the banking interests, does not work out satisfactorily in the end, it would seem that principles are not important. We are all getting dressed, ready to go, but God alone knows where. I, at least, do not.

I am impressed that this plan will furnish canals connecting all the financial ponds, so that the tide can be made high or low everywhere at the same time—or, if it were desired, selected places could at will be flooded or dried up. Compared with this power, the League of Nations appears puerile and impotent. It is altogether the most ambitious and far-reaching proposition that has ever been offered. Like the Federal Reserve system, it has its good points. In fact, it is nothing less than an International Federal Reserve system.

New Coal Company to Operate.

Cedar Grove, W. Va., June 12.—[Special.]—The Tompkins Fuel Co. of Charleston has been organized with a capital of \$100,000 to take over a mine at Cedar Grove, in which operations are to be conducted in a six-foot seam of Kanawha splint coal. The company has started work also on a by-product mine on the same property. Shaker screens and picking tables will be installed at an early date and the mine electrified throughout.

Building Activity Continues Throughout the South, With Outlook Indicating Still Greater Advance.

Atlanta, June 13—[Special.]—Despite the huge total of building which has been recorded in the Southern states during the past three years and the high level which is being maintained at the present time, the rental situation in this section is in a most healthful condition, with practically all larger centers reporting rents stationary and demand excellent, according to information furnished the survey department of G. L. Miller & Co., real estate mortgage bond house of Atlanta and New York.

Twelve and a half per cent of reporting cities indicated that rentals were increasing from 10 to 50 per cent on various classifications of property, while 15 per cent of the cities indicated a decrease ranging from 10 to 20 per cent, with 10 per cent being the popular figure. The remainder showed no change in levels, which have been maintained during the past twelve months or more.

In addition to the very favorable character of the rental report, it is further indicated that present building levels, with a few exceptions, show no sign of recession, and that actual shortage existing in a number of cities will lead to still further increase of building figures in the near future.

In compiling this report, the survey department had access to information supplied by real estate boards and building owners' associations in thirty-eight cities distributed throughout fifteen of the sixteen Southern states covered by its usual reports. Only Mississippi was not represented, and an absence of large centers in this state renders any information which might be obtained in that direction negligible.

In the residential classification it was found that twenty-seven cities show stationary rentals at the present time, with five cities increasing and six decreasing. An actual shortage of residences is indicated in sixteen of these. The present building program is above normal in twelve centers, normal in twenty and below normal in three. The future outlook is reported as very bright in twenty, normal in eleven and decreasing in four.

The figures relating to the apartment classification are very similar to the residential classification, with the exception that twenty-eight cities report stationary levels, while four are increasing and five decreasing. A decided increase of construction of apartments is noted in twelve cities, with three showing a decrease. Apartment demand is very active in all large centers, with many of the smaller cities entering this particular field at the present time.

The principal shortage now apparent in business and commercial buildings is in office structures. This fact is indicated in the rental report, which shows rents on office space increasing in nine cities, stationary in twenty-three, while only two are decreasing. These two are merely temporary, it is said, due to bringing in several new structures on the market at the same time, which will be absorbed within the next twelve or eighteen months. Shortage of office space is apparent in ten cities and active construction on this classification is proceeding in eleven.

Of the twenty-seven cities reporting on general buildings outside the three principal rental classifications listed above, twenty showed stationary levels, four on the increase and three on the decrease.

The reasons for the present favorable conditions existing in the South are brought out in many of the reports received. The enormous strides now being made along commercial and industrial lines in many centers and the resulting increase in population are in evidence in every part of the section, with the consequent shortage of available housing in the face of a record-breaking building activity. This is particu-

larly true of the centers ranging in population from 25,000 to 100,000 people.

"The demand is increasing faster than the supply. There is no evidence of reduction of rents of any kind except, perhaps, in poorer buildings. The city is growing rapidly and the outlook is very good." This report from Charlotte, N. C., is typical of other Carolina cities, and those located in Florida, Louisiana, Texas and other states. Winston-Salem reports a population increase of 20 per cent in three years, while Monroe, La., in the center of the new carbon black zone, has grown 42 per cent in the same period.

"New industries, branch offices, new large stores and other business bring a great number of new people to the city who demand the best class of residences; hence the shortage of houses and apartments of the better class," says the Greenville (S. C.) Real Estate Board; and this indicates a second cause of Southern real estate productivity at present. The higher standard of living which the new era has brought to the South has created a demand for modern living quarters which are a steady and consistent source of income to owners of the better-grade houses, apartments and hotels.

This same idea is reflected in the situation now obtaining in Memphis, Atlanta, Richmond, Dallas and other of the largest cities. The report from New Orleans says: "Rental conditions are good, the demand being for the better class of property. Those with all modern and up-to-date conveniences are never idle."

The third of the major reasons for the present favorable situation relating to rental lies in the fact that high costs are keeping construction down to the level of the demand in most centers, as in St. Louis, which reports: "Labor is scarce and high. Building permits have dropped. There is very little first-class office space available, and that only in small units. The demand for apartments is increasing."

Commenting upon the results of the rental survey, G. L. Miller, president of G. L. Miller & Co. and one of the best posted men in the country on Southern real estate conditions, says:

"The results of this survey, which was conducted through official sources in the various major centers of the South, merely confirm the information, which our organization already has obtained through private channels. There is no let-down of income-producing property in the Southern section and the demand continues with increasing vigor.

"I cannot see how any appreciable decrease can be registered in this section for years to come. The territory is building up along business and industrial lines entirely too rapidly for any lull in demand to be apparent in the near future. Southern possibilities of development have just been scratched. Every day brings a greater realization of the vast potentialities of the region. New capital is being invested in Southern enterprises in immense quantities, new people are coming in, the North and East are awakening to the possibilities of the South as never before.

"In the older and larger cities modern construction is rendering much old property obsolete and is making it unprofitable, but this merely means that the antiquated buildings must go into the discard and be replaced with newer structures. It does not alter the essential fact that rentals as a whole are either stable or increasing. It does pay a deserved tribute to the progress of the Southern people who have not only caught step with the rest of the country, but who are actually leading the procession in many instances.

"Since the rental situation is so favorable and a consider-

able shortage is apparent, I cannot see any prospect of a diminishing building program for the South anywhere on the horizon. The present year is matching totals with the phenomenal record of 1923, and an actual increase for the last six months is in sight. 1925 will be just as good or better than 1924."

After holding its own for the first four months of the year, building and construction in sixteen Southern states stepped out for a decided gain during May and returned an 11 per cent increase over figures registered for May, 1923, according to reports received by the survey department of Miller & Co.

In 95 cities, the total was \$52,689,218. In 79 cities where comparative statistics are available the May, 1924, total was \$48,823,712, against \$43,408,869 in May, 1923.

This increase bears out a forecast made earlier in the year by survey officials that the present year would keep pace with the record-breaking figures of last year until the middle of the year, when a decided increase will be shown the rest of the way. It is anticipated that the entire year will better 1923 by 15 per cent.

The month was not featured by unusually large individual permits. New manufacturing plants in Baltimore accounted for two millions of the Maryland city's high figures. Mem-

phis reported a half-million-dollar civic building and a school costing a quarter of a million. The Ford Motor Company figured prominently in Southern figures for the fourth consecutive month, with a \$120,000 addition to its plant in Oklahoma City. A \$150,000 college building in Nashville, another for \$200,000 at Greensboro and a \$100,000 Y. M. C. A. building at High Point were also reported. Bluefield, W. Va., had a very successful month, due to a \$200,000 city hall and a \$250,000 office building.

Dallas continued its 1924 record of being well above \$2,000,000 each month. New Orleans, which is experiencing its most successful building year, is also above two millions. The outstanding achievement of the month, however, is the showing of Miami and Miami Beach, which exceeded two and a half millions after reporting three millions in April. The record for May, by cities, is as follows:

Baltimore, \$7,544,400; Washington, \$4,762,445; St. Louis, \$4,140,850; Dallas, \$2,726,780; New Orleans, \$2,136,875; Memphis, \$2,068,820; Louisville, \$1,707,975; Atlanta, \$1,698,324; Birmingham, \$1,640,490; Kansas City, \$1,524,300; Miami, \$1,392,800; Richmond, \$1,364,051; Miami Beach, \$1,169,550; Houston, \$998,327; Houston metropolitan area, \$2,631,607; Ft. Worth, \$784,454; St. Petersburg, \$742,400; Tulsa, \$656,545; Bluefield, \$632,904; Huntington, \$631,518.

COMPARATIVE RECORD OF BUILDING PERMITS FOR MAY, 1923, AND MAY, 1924.

	May, 1924	May, 1923		May, 1924	May, 1923		May, 1924	May, 1923
Alabama—			New Orleans.....	2,136,875	1,015,600	Rock Hill.....	22,840	
Anniston	\$25,305	\$20,570	Shreveport	424,741	613,823	Spartanburg	144,010	71,311
Birmingham	1,640,490	1,006,175	Maryland—			Sumter	232,400	16,000
Mobile	111,155	125,514	Baltimore	7,544,400	3,879,694	Tennessee—		
Montgomery	40,990	32,613	Frederick	66,459	96,585	Chattanooga	314,373	250,803
Arkansas—			Salisbury	73,500	45,000	Jackson	34,325	202,965
Little Rock.....	291,011	299,345	Mississippi—			Knoxville	515,520	1,142,472
Hot Springs.....	27,000	75,000	Laurel	46,342	44,830	Memphis	2,068,820	1,721,125
District of Columbia—			Vicksburg	66,600	27,225	Nashville	515,826	303,999
Washington	4,762,445	2,793,951	Missouri—			Texas—		
Florida—			Joplin	60,683	19,910	Abilene	149,850	146,950
Key West.....	7,010		Kansas City.....	1,524,300	1,897,000	Amarillo	122,300	192,000
Jacksonville	539,213	551,071	St. Louis	4,140,850	4,166,386	Austin	122,300	238,387
Lakeland	127,140	194,335	Sedalia	11,700	59,100	Beaumont	167,674	108,811
Miami	1,392,800	499,000	North Carolina—			Cleburne	50,608	
Miami Beach.....	1,169,550		Asheville	252,703	535,220	Dallas	2,726,780	1,894,824
Orlando	295,745	212,916	Charlotte	334,840	549,900	El Paso	192,377	268,130
Pensacola	28,060	35,894	Concord	30,050	251,000	Fort Worth	784,454	1,092,961
St. Augustine.....	94,210	16,347	Durham	155,300	104,925	Galveston	157,051	281,805
St. Petersburg.....	742,400	1,540,585	Gastonia	46,000	127,000	Houston	998,327	1,080,256
Tampa	326,981	716,027	Greensboro	455,195	522,060	Houston Metropolitan area	2,631,607	
West Palm Beach..	613,725	18,170	High Point.....	230,050	279,425	Port Arthur	96,515	192,412
Georgia—			Raleigh	160,940		San Angelo	58,722	112,070
Albany	55,045		Rocky Mount.....	48,548	162,118	San Antonio	525,451	1,062,540
Atlanta	1,698,324	2,406,414	Wilmington	50,350	146,700	Wichita Falls	166,486	109,319
Augusta	42,888	38,108	Oklahoma—			Virginia—		
Columbus	290,281	63,825	Enid	55,000	74,300	Danville	28,835	
Decatur	39,992	154,900	Muskogee	128,590	189,945	Newport News	5,650	4,330
LaGrange	5,405		Oklahoma City.....	455,450	590,654	Norfolk	451,690	808,975
Macon	70,903	148,613	Okmulgee	31,600	168,700	Portsmouth	80,007	
Savannah	178,190	111,264	Shawnee	30,885		Richmond	1,364,051	1,297,372
Kentucky—			Tulsa	656,545	666,525	Roanoke	320,910	390,365
Covington	171,000	182,900	South Carolina—			West Virginia—		
Louisville	1,707,975	1,971,119	Charleston	29,365	43,677	Bluefield	632,904	131,250
Lexington	219,880		Chester	7,310	14,200	Charleston	176,737	329,500
Louisiana—			Columbia	123,592	180,657	Huntington	631,518	430,321
Alexandria	69,467	49,033	Greenville	116,525	93,855	Wheeling	485,280	358,040
Lake Charles.....	15,531	37,918						

\$1,000,000 Building for Atlanta.

Atlanta, Ga.—Contract has been awarded by the Wynne-Claughton Realty Sales Corporation to Gude & Co. of this city for the erection of a 12-story building here at Ellis street and Carnegie way to cost more than \$1,000,000. The structure will be fireproof, with built-up roof and cement floors, and will cover a ground area of 8800 square feet. It will be devoted to stores, offices and loft purposes. G. Lloyd Preacher & Co. of Atlanta are the architects, and it is understood that G. L. Miller & Co., Inc., of Atlanta will handle financial details.

Power Company to Consolidate Utilities.

Warrenton, Va.—The Virginia Northern Power Co., with an office at Harrisburg, Pa., will consolidate electric and ice plants in Virginia at Culpeper, Orange and Warrenton. New construction work will eventually involve the building of a transmission line between these plants and the addition of larger generating equipment at Culpeper and Orange. The

distribution system at Culpeper will be changed from direct current to alternating current.

M. J. O'Connell of Warrenton, general manager of the company, which was recently incorporated with a capital stock of \$250,000, will be in charge of the operation of all these plants.

Contract for Hotel at Huntington.

Huntington, W. Va.—Contract has been awarded by Fred C. Prichard of this city to Nichols & Denson of Chicago for the erection of the new Prichard Hotel here, a proposed 13-story structure to cost \$1,500,000. The building will be 120 by 120 feet, of reinforced concrete, and will contain 400 rooms. Faced with stone for the first three stories, the remainder of the building will be of rough-faced brick with stone trimmings. H. Ziegler Dietz of Indianapolis, Ind., is the architect.

It is stated that Caldwell & Co. of Nashville, Tenn., will underwrite a bond issue of \$700,000 on the building, and that A. E. Kelley, proprietor of the Huntington Hotel, will operate the new hotel under a 20-year lease.

The Discovery of Diamonds in Arkansas.

By TOM SHIBAS, Mountain Home, Ark.

If John Huddleston, who found the first diamond on the North American continent in its original bed of peridotite, near Murfreesboro, in Pike county, Arkansas, had not had a "hunch" and an inspiration to work, there would probably be no diamond field in North America today, and he would not hold the distinctive position in the annals of American mining that he does. Mrs Huddleston was inclined to be cautious and conservative, and believed it not best to put a part of what they had made during their married life in jeopardy. Her husband, more venturesome, believed in the old maxim, "Nothing risked, nothing gained." This belief was strengthened by a "hunch" that he was going to find gold in large quantities.

The couple sat on the porch of their modest farmhouse one day early in 1907. John's mind was on land, a particular tract that lay on Prairie Creek, a short distance from their home. Land had always been a topic of thought with John Huddleston, for he saw in it the source of all wealth.

"I'm going to buy that hundred and sixty acres down on Prairie Creek," John announced, but Mrs. Huddleston demurred. "Something queer about that land," John persisted; "different dirt from any in this section. All sorts of pretty pebbles and bits o' mineral in it. I have a 'hunch' there's gold in it."

The 160-acre tract on Prairie Creek had intrigued John Huddleston for years. He closed his eyes, let the blue smoke drift out of his mouth, and his imagination ran riot. He could buy that land for \$2000 and he had \$360 to pay down on it. John had his way, and they acquired title to the property, making a payment of \$360 and mortgaging the parcel for the balance.

The Ozark Mountains that stretch out in a triangle of un-

dulating ridges from the northwest to the southeast part of Arkansas, diminishing to sandy foothills which finally are swallowed up by the flatness of the Delta, have developed that same type of hardy prospectors who first discovered most of the big mines in the West. John Huddleston is of this type. He is 63 years old, but his eyes still are sharp. At 25 yards he can put six bullets from an automatic into the small heart of a pine log, and at 50 yards with a rifle shoot a squirrel through the eye. The afternoon the writer spent with him on the diamond pipe he discovered, it was noticeable that his keen, gray eyes were always on the ground. A hundred times he stopped and picked up a glittering piece of quartz, pebble or fragment of iron ore that he thought might be a gem.

"I have been interested in minerals ever since I was a small boy," Mr. Huddleston said. "An old prospector by the name of Jackman, who used to stop at my father's house 50 years ago, was responsible for it I reckon. Every time Jackman rode in he brought his saddle-bags full of new ore samples and told me stories of the great wealth in the earth to be had for the finding. I began to prospect then at odd times and have been at it ever since. Sometimes I change the program and hunt for pearls in the Little Missouri River, and find them, too. I always feel good every time I find anything of mineral value, but I can't get deeply interested in anything the other fellow finds. I want to find it myself.

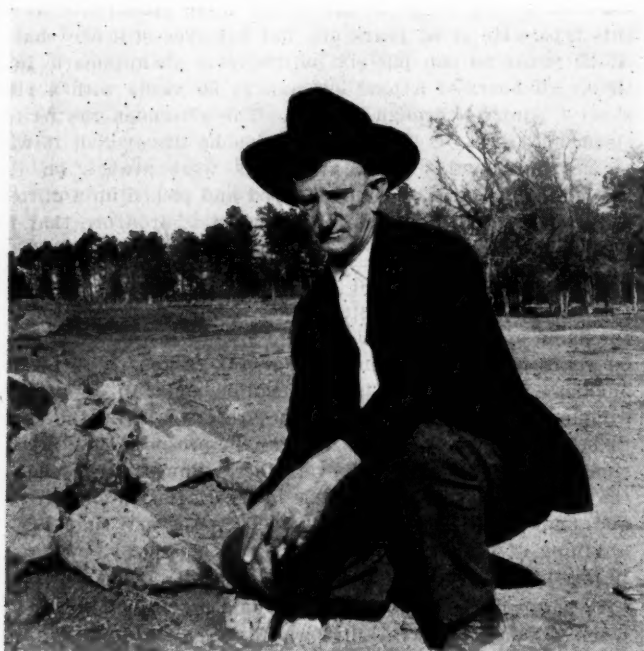
"I had a 'hunch' that there was gold on this diamond pipe when I bought it. The dirt was different—full of crystals and bits of mineral. When it got wet, it got slick, and we all called it soapstone in the early days, not knowing any better. The dirt on the surface was black. Where the rains had cut gullies it showed yellow under the black, green under the yellow, and blue under the green. As soon as I got my deed I started to prospect for gold. I didn't find any gold,



DIAMOND MINE IN ARKANSAS VIEWED FROM AIRPLANE.

but found some signs in a rock on the adjoining land. I smelted this ore in a green, hollow gum log and got a little gold, but not enough to pay. I was disappointed, but kept hunting, hoping to pick up a few moss agates if I didn't find gold. I even began to prospect on my hands and knees, picking up everything that had a sparkle to it.

"One afternoon in August, I was crawling along a little ridge, about the center of what has later been determined to



JOHN HUDDLESTON, DISCOVERER OF DIAMONDS.

be the pipe. My eye fell on a glittering pebble and I reached for it. I had picked up thousands of glittering pebbles before, but as I turned this one over in my hand I knew it was different from any I had found before. It had a fiery eye that blazed up at me every way I turned it. Of course, I wasn't sure, but I had a feeling that it was a diamond.

"I hurried to the house, saddled my mule and started for Murfreesboro. Riding through the lane, my eye caught sight of another glittering pebble in the dust, and I dismounted and picked it up. It was a little different from the stone I had picked up about an hour before, but I knew it was of the same kind. In town, I called at the bank and saw the cashier, Jess Riley. I showed him the stones and he offered me fifty cents for them.

"If that is all they are worth, I'll throw them away," I said, and walked over to see J. C. Pinnix, a lawyer, who sent them to a Little Rock jeweler for appraisal.

"In about two weeks, I received a letter from Little Rock, saying that if the stones were not of some other kind—the name I forget—they were diamonds. Then, I found another one. The first one I picked up was a steel-blue gem, weighing one and three-eighths carats. The one I found in the lane was the same color, weighing two and three-eighths carats. This third one was a yellow stone, heart shaped, weighing one-half carat. I sold this for \$100. The Little Rock men kept writing to me, and finally asked me whether I would sell. I was sure of my ground then.

"The opportunity was at hand to make 'a stake' for myself and wife and children. Good farm land always appealed to me as an investment. I had been raised on a farm and knew how to till the soil. I also knew the rental value of good farm lands. I figured what the amount of land I wanted would come to. The total was \$36,000. I asked this and got it. I surmise if I had known then as much about diamonds as I know now, I would be worth a million dollars, but I didn't."

That same persistency, faith and hope that lures the Western prospector eventually to rich placer gravel or a bonanza outcrop of gold quartz led John Huddleston to his first diamond. Failure to find gold in quantity did not deter him.

The diamond-bearing area that has been proven up in Pike county, Arkansas, is not large. It is in four tracts. One consists of 85 acres. This is the pipe John Huddleston discovered. Another consists of approximately two acres; another one, three acres, and the fourth one, about a half an acre. Whether there is more peridotite or diamond-bearing ground is problematical. If there is, it lies under the sedimentary formation, and if it is found, it will probably be found by some one with an inquiring mind like John Huddleston's and a will to hunt and risk something.

A diamond pipe is an area rent asunder by volcanic action and filled from below by volcanic matter geologically termed peridotite. How deep the peridotite extends into the bowels of the earth has never been determined, and some holes have been drilled thousands of feet deep. It still remains a geological mystery.

To grasp intelligently the nature of the diamond pipe John Huddleston found, shut your eyes and imagine a hole in the ground, of unknown depth, with an area of 85 acres, the shape of a goose egg; an immense, empty caldron. This suddenly begins to vomit smoke and steam, and is filled with liquid mud (peridotite) from below. This mud cools and solidifies. Scattered through this in small particles are crystals of different kinds, bits of iron ore, garnets, amethysts, other pebbles and diamonds. Peridotite in one re-



DIAMOND WASHING PLANT, ARKANSAS.

spect resembles burned lime—it slacks on exposure to the air. Two methods are employed to recover the diamonds from the peridotite, one known as the direct and the other as the flooring method. By the direct method, the peridotite is mined, hauled directly to the mill and washing plant and ground up fine. After it is ground, everything is washed out of it in large revolving pans but the solids. These are passed into machines called jigs, that work in water with a quick up-and-down motion, and the heavier material, along with the diamonds, goes to the bottom. This, the heavier solids, is known as concentrates. These are flushed over a grease board with water; the diamonds adhere to the grease and the rest is carried over into the waste pile. The flooring method is the same as the direct method, except the peridotite is mined and spread out on a level area of land called a floor and allowed to disintegrate, after which it is moved to the washing plant, going through the same process as by the direct method, except grinding. The air does the pul-

verizing, instead of machinery. It takes several months for it to disintegrate in the air.

Austin Q. Millar, who has been identified with the industry as an operator for a number of years, says:

"Because of the high luster in their rough state, a parcel of Pike county diamonds are unmatched by a like parcel of the African stones. This quality is largely due to their



JOHN HUDDLESTON, WALTER MAUNEY, LEE WAGONER.

extreme hardness, and as a consequence the greater brilliancy of the finished gem is the result. In both hardness and size the mine-run stones are best comparable to the Brazilian diamonds."

Walter Mauney, who has been mining diamonds in the Pike county field for 17 years, estimates the production of the field since it was discovered at 5000 carats. The stones run in size from one-eighth carat to twenty and one-half carats.

Plan to Erect \$8,000,000 Building for Southwestern Bell Telephone Company.

St. Louis, Mo.—Requesting permission for authority to erect a building 320 feet in height, E. J. Russell of Mauran, Russell & Crowell, architects, of St. Louis, has presented tentative plans to the Board of Public Service for a 25-story building to cost \$8,000,000 which has been planned by the Southwestern Bell Telephone Co. The building will be erected on the block bounded by 10th, 11th, Pine and Chestnut streets, and will tower in tapering minaret style about 50 feet above the Railway Exchange Building. This style has been adopted, it is said, both for its architectural appearance and to permit more light to surrounding buildings.

It is stated that the wall will rise abruptly 250 feet above the sidewalk, the total height allowed under the present building ordinance. It will then be carried back in terraced effect to a central height of 320 feet. The three upper stories would be used for elevator shaft and penthouse.

Contract for Laundry Building.

Winston-Salem, N. C.—The Zinzendorf Laundry Co. of this city has awarded contract to J. L. Crouse, Greensboro, N. C., to erect a \$100,000 laundry building here, for which Harold Macklin of Winston-Salem has prepared plans. The building will be of the daylight type, two stories, 95 by 110 feet, steel frame, face brick walls, limestone trim, with reinforced concrete floors and steel monitor. Contract for machinery has been awarded to the American Laundry Machine Co. of Cincinnati.

BUILDING \$350,000 FOUNDRY AND MACHINE SHOP AT AVONDALE.

Entire Plant of Continental Gin Company to Cost \$750,000.

[Telegram to Manufacturers Record.]

Birmingham, Ala., June 13.

H. K. Ferguson & Co., Cleveland, Ohio, engineers, erecting for us at Avondale, Ala., foundry and machine shop, 55,000 and 45,000 square feet, respectively. Modern one-story, steel construction, well ventilated and lighted. Equipped with latest machinery and appliances. Total, \$350,000. Will complete entire plant later. No definite plans. Cost about \$750,000.

CONTINENTAL GIN CO.

The foregoing telegram refers to the foundry and machine shop which is being erected by the company, at a cost of \$350,000, on a 23-acre site recently acquired. Later construction will include an assembly building, warehouse, planing mill and other structures, the entire plant to cost \$750,000. The foundry and machine shop are expected to be completed by December 1.

Work on \$1,000,000 Apartment Hotel.

Tampa, Fla.—Construction is expected to begin soon on the proposed \$1,000,000 apartment hotel to be erected here by the Wynne-Claughton Realty Sales Corporation of Atlanta. The building will have a frontage of 145 feet on Bayshore boulevard and extend 367 feet on Howard avenue. It will be 9 stories, containing 110 apartments ranging from one to five rooms each. A large dining room and smaller grill, with equipment for meal service in the roof garden, will be provided. One large freight elevator and two electric passenger elevators will be installed.

Plans and specifications for the structure have been prepared by G. Lloyd Preacher & Co. of Atlanta, and the general contract awarded to Gude & Co., also of Atlanta. Negotiations for the purchase of the site were handled by Weeks & Wilder of Tampa, while G. L. Miller & Co., Inc., of Atlanta and Tampa will arrange financial details.

\$500,000 Terminal Oil Plant.

A site of 67 acres at Curtis Bay, Baltimore, has been leased by the Seaboard Terminal Corporation, of which K. F. Gill is chairman of the board and James H. Foster president, both of Cleveland, Ohio, for the construction of a \$500,000 terminal oil plant. Contract has already been awarded to William G. Gischel & Co. of Curtis Bay for grading and concrete work, and it is probable that contract will be awarded to the Sanford & Brooks Co. of Baltimore for the construction of the pier. It is the purpose of the company to install a lubricating oil plant, storage tanks, pipe lines and other facilities, while the Baltimore & Ohio Railroad Co. will probably construct a spur line to the plant.

H. S. Bell of New York city is the engineer for the development, and Jerome Sloman of Baltimore is the attorney and resident engineer.

New Building for Titusville Bank.

Titusville, Fla., June 11.—[Special.]—A new three-story building of imitation limestone will be erected here by the Bank of Titusville & Trust Co., construction to be started by June 15. Building contract has not been awarded, but contract for fixtures has been placed, as officials are anxious to complete the structure by fall. Pfeiffer & O'Reilly of Miami, are the architects.

BRITISH EMPIRE COTTON GROWING.

Evidently a Long Row to Hoe Before the Empire Produces Much Cotton.

Manchester, Eng., June 9.—[Special.]—The nineteenth annual report of the British Cotton Growing Association reports satisfactory progress in practically every part of the Empire where the cotton-growing industry has been established. The finances of the corporation are on a firm basis and the scientific and research work which the corporation is able to do in various cotton-growing countries of the Empire is proving of inestimable value. The report continues:

"It is generally admitted that the year under review has been one of the most unprofitable ever experienced in the history of the cotton industry of this country. The great bulk of the mills using American cotton have been working on short time and the earning power of the operatives has been seriously curtailed. The statistical position of the world's supplies of raw cotton shows that the normal trade conditions there will have been a great shortage of usable raw cotton, and although supplies of the Empire and other 'outside' growths are still comparatively small they have been very welcome to the trade and the types are becoming better known and sought after."

The following is an approximate of cotton grown in the British Empire in 400 pound bales:

Year	Bales	Value £
1918	54,900	2,349,000
1919	79,600	5,593,000
1920	105,800	3,617,300
1921	165,100	3,929,000
1922	103,400	2,716,000
1923	178,200	5,503,000

In addition, there has been an increased production of an improved long-staple cotton in the Punjab of 100,000 bales.

The accounts show a surplus for the year's working of £102,967, which, with £59,522 brought forward from last year, increased the excess of income over expenditure to £162,489. This satisfactory result has been brought about notwithstanding the fact that the native growers have been paid the highest possible price for their seed cotton on the basis of current Liverpool values.

The following statement shows the quantity of cotton which has passed through the hands of the Association during the past six years:

Year	Bales	Value £
1918	29,190	1,410,837
1919	30,881	1,494,921
1920	23,513	1,699,144
1921	63,966	1,597,702
1922	67,356	1,628,778
1923	54,606	1,588,480

"It must be borne in mind," says the report, "that there are now a large number of commercial companies and others engaged in ginning, baling and marketing Empire-grown cotton and that the foregoing table only includes cotton which is actually financed and sold through the Association."

Visual Education and Muscle Shoals.

Visual education and a demand for "a part of the power from Muscle Shoals" are two of the main topics in a report by L. J. Folse, manager of the Mississippi Development Board, to President H. S. Weston and the board of directors. In the line of visual education, eight counties have been equipped with moving-picture units and are supplied with films from week to week.

In regard to Muscle Shoals, the report says: "The agricultural prosperity of Mississippi depends absolutely upon industrial expansion and we can have no increase in industries without cheap power, so it is imperative that we secure a part of the power from Muscle Shoals."

Holstein-Friesian Convention and Sale.

Richmond, Va., June 16.—[Special.]—Interest manifested by the South in purebred cattle, and the general tendency toward the fullest development of factors which bespeak progress and the advancement of Southern interests, are reflected by the results of the thirty-ninth annual convention and sale of the Holstein-Friesian Association of America, held at Richmond, June 2 to 7, inclusive.

While the convention itself was held to have been one of the most successful in the history of the organization, it was the sale of purebred Holstein cattle, picked from the best herds of the country, that produced the most satisfactory results. Not only was this the initial Southern meeting and sale of the Holstein-Friesian Association, but it was the first sale and national convention of any breeders' association to be held in the South.

In view of these facts it is significant that Virginia established a new association record when breeders of that state purchased the largest number of animals ever bought by the breeders of any one state at a national Holstein sale. Old Dominion dairymen bid in 75 per cent of the cattle consigned to the sale. They bought a total of 107 animals of the 145 offered, which were distributed among 36 breeders, located in many different sections of the Commonwealth. North Carolina breeders bought 13 head; South Carolina, 6; Pennsylvania, 5; New York, 4; District of Columbia, 3; Maryland, 3, and Michigan, Massachusetts, New Jersey and West Virginia one each.

The cow bringing the highest price was Star Segis Pontiac Superior, a senior four-year-old, who held the world's champion record of 19,291 pounds of milk and 906.2 pounds of butter as a senior three-year-old for ten months' production at the time the milking record was made. She was purchased by V. M. Montgomery of Spartanburg, S. C., the Minnesota Holstein Company, Austin, Minn., being the consignor. Sir Bess Ormsby Fobes, 19th, consigned by Gustav Pabst of Dousman, Wis., proved to be the top bull of the sale. Ben Middleton of Herndon, Va., purchased him for \$675.

Excellent attendance featured the convention, and the delegates, a large number of whom were from the middle West and New England, were entertained in Richmond's characteristic way.

Completes Extension of Transmission Line and Takes Over Other Plants.

Dallas, Tex., June 14.—[Special.]—Completion of an extension of the power transmission line of the Texas Power & Light Co. of Dallas, from Hillsboro to Tyler and Palestine, is followed by announcement that the company has taken over the electric light and power plant of the Texas Public Utility Co. at Lufkin and the local electric light and power plant at Crockett.

Negotiations are pending for the absorption of other plants in East Texas by the Texas Power & Light Co., it is stated. This company now serves 120 towns and cities of the state. It has under consideration an expansion of its power transmission generating system to South Texas and the construction of one or more additional generating stations.

New Dallas Hotel to Cost \$1,000,000.

Dallas, Tex.—Judge Arch C. Allen of this city is reported representing interests negotiating for the purchase of a site, 100 by 100 feet, at the southeast corner of Commerce and South Ervay streets, on which it is planned to erect an 18-story hotel to cost more than \$1,000,000. Young & Young of Dallas are the architects, and financial arrangements are being made by Rucker & Jones, local realty dealers.

The North Carolina Highway Tour Continued.

A TRULY MARVELOUS ADVANCE IN EDUCATION AS WELL AS IN HIGHWAY BUILDING, EACH HELPING THE OTHER.

By A. V. DRAPER

It may be true, as suggested by Thomas H. MacDonald, chief of the United States Bureau of Public Roads, that the hospitality of the South is taken for granted—that it is an established fact. None the less, in the tour of North Carolina last week by the Pan-American Highway Commission, there was a warmth and spontaneity, a sincerity and enthusiasm in the greetings extended and in the many courtesies shown, the friendly smiles on every hand—even from those who had no direct interest in the immediate event—which serve as a new and ever-pleasant cause for comment and also for congratulation to the state and to the people who possess these qualities and so readily manifested them. Each city seemed to make a particular effort to outdo itself, and the Commission and the various highway and state officials of this country in passing from one city and district to another left behind a trail of friendly recollections and associations.

These representatives from Central America, Mexico, Cuba and South America were all picked men. A leading factor in their selection was a consideration of their ability to acquire from a study of American road-building methods such data and knowledge of the work here as could be adapted to the particular requirements of their respective countries. But technical knowledge was only a part of it. They were men of more than ordinary intellectual attainments and of the highest personal standing.

The appreciation of this distinguished delegation of the reception accorded them was no mere form. These men will remember North Carolina. One effect of their visit will be to form what has been called the first link in a "highway of friendship" joining the two Americas. It was "an experiment in neighborliness" and from the cordial relations established between the members of the Pan-American Commission and their friends in North Carolina will come in the future mutually beneficial relations in the development of commerce and trade.

Equally enthusiastic on the state and its activities were the guests from other sections of this country. A visitor from the middle West said that he almost feared for his own state to which the delegates were subsequently to go, because North Carolina had set such a high standard of entertainment he personally doubted whether it would be possible to equal it. If one were to judge from the comment heard generally, North Carolina is likely to receive a steadily increasing addition to its population from other less favored districts. At any rate, the desire to live in so progressive a Commonwealth will have something to do with the movement of population in the next few years and the results should show in the census returns for 1930.

Indeed, the direct results to the state from this highway program are already greatly in evidence in the stimulation to established industry, the increase in wealth and commerce, the bringing in of new industries and very especially in the construction of new school buildings of the finest and most modern type, and in the erection of churches. North Carolina does indeed believe in good roads, good schools and good churches. Every section and community of the state believes in this program and seems willing to back it to the limit.

A recent news letter of the University of North Carolina shows, for instance, that the value of the school property had increased 4600 per cent in 23 years from 1900 to 1923. In 1900

North Carolina public school property was valued at around \$1,000,000, or less than 50 cents per inhabitant. In 1904 it was reported at \$1,908,675, in 1910 at \$5,863,000, in 1915 at \$10,434,000, in 1919 at \$16,295,000, and in 1923 the total value of all school property was reported to be approximately \$47,000,000. It is much larger today, for during the last year North Carolina has been spending more on school buildings than ever before in its history, due mainly to the loans made by the state to the consolidated rural community schools. Since 1919 the value of school property has increased from \$16,295,000 to \$47,000,000, or an increase of nearly 200 per cent in four years. The value increased twice as much in the four years following 1919 as in the 19 preceding years.

There are ten counties in North Carolina, any one of which had a larger total investment in school property in 1923 than the entire state had in 1900. Buncombe county alone had two and a half times as much school property in 1923 as the state had in 1900. Mecklenburg and Forsyth each had more than twice as much, and Durham had almost twice as much. There are nine other counties any one of which in 1923 could almost match the total value of such property in 1900.

These are facts which are well known by many well-informed people in North Carolina and they serve as one explanation of the increasing attention which is being directed to the state by the people of the North and West.

And then in the matter of dwellings: Along all these new and fine highways recently built may be seen evidences of the new spirit which has taken possession of the people and which is manifested in the form of improvements to the older houses, in better fences and outbuildings, the erection of new cottages and increased attention to the many little details which make for attractive and comfortable homes. And, by the way, the North Carolinians love flowers. No home is too humble to boast of a flower garden of some description, and everywhere climbing roses are in bloom. Many of the finer places by the roadside have elaborate trellis work on which the bushes may be trained and the beautiful rose clusters be displayed to the best advantage.

Over the Yadkin River on the road from Lexington to Salisbury is a most attractive concrete bridge which has just been completed. The motor cars bearing the official party were the first to cross this bridge since it was finished, and supplementary work yet remains to be done before the bridge can be placed in regular service. It is a quarter of a mile in length and cost \$213,000, and it replaces a toll-bridge which, like most toll-bridges, has proven a gold mine to those holding stock in the company controlling it. The charge for crossing the toll-bridge was 25 cents, and, based on traffic figures, it is estimated that the new concrete structure will pay for itself in the saving of tolls within a period of four and one-half years. The fact that the district is now served by a free bridge and by permanent highways leading up to it will also greatly increase traffic and the entire community will feel the stimulation and profit by it.

In the vicinity of Asheville there was an opportunity to view the heavier type of construction required in a mountain district. The main highways through this section are of the topsoil, sand-clay type, and they are very fine specimens of this kind of work. An interesting side light on the remarkable organization and extensive equipment of the North Carolina Highway Commission is afforded by a statement of Charles M. Upham, highway engineer, to this effect: If it

rains during the night it is possible to place in use on the following morning 52 ten-ton tractors on maintenance equipment and drag the entire 4000 miles of topsoil and sand-clay road in the state in one day. The maintenance cost for such roads averages \$300 per mile per year, including depreciation and other items. As the traffic increases the cost likewise becomes heavier.

From the mountain section of North Carolina the Pan-American Commission left for the West for a further study of road building. It is safe to say, however, that whatever the rest of the trip may reveal there will be nothing which can lessen the impression made by the great tour from Raleigh to Asheville.

The opinion has been expressed that, from the standpoint of publicity alone, this road inspection by the engineers from the Latin-American republics will be worth to North Carolina a good many millions of dollars. In any event the benefits already flowing to the state as a direct result of its tremendous highway improvement program have shown conclusively that the wise expenditure of funds for permanent highways and improved roads is the best investment that can be made. North Carolina has already profited by this investment to an extent greater than the entire sum spent on its roads, and this is only the beginning. Other states may well look to their laurels.

North Carolina has just cause to be proud of the manner in which it entertained these visiting engineers and demonstrated to them the outstanding work which the state is accomplishing for highway development. The success of the tour through the state was due to the splendid team work of Chairman Frank Page and Chief Engineer Chas. M. Upham of the State Highway Commission. The same thoroughness that marked the carrying out of every detail in connection with the tour is but another example of that thoroughness which has made North Carolina's State Highway Department widely and favorably known as one of the best organized in the country. Quite noticeable was the spirit of loyalty and co-operation exhibited by all of the staff of the Commission who were assigned to carrying out various details in connection with this tour, and everyone performed his individual and team work as if the success of the tour depended upon his own efforts.

One of the impressive features of the week was the exhibition of road-building machinery and equipment arranged under the direction of Mr. Upham and held at the State Fair Grounds at Greensboro. As Chairman Page and a number of members of the board of directors of the American Road Builders' Association stood on a summit overlooking the entire Fair Grounds, they remarked that, in their experience with all the leading road shows held in the country in the last 15 years, for utility and practicability this exceeded any heretofore held. Quite marked was the difference between viewing still exhibits and this show of equipment and machinery in open spaces, where each piece could perform in actual work that for which it was designed. Not only were the engineers greatly impressed, but contractors, who have largely to do with the use of this machinery and equipment, were able to see and measure exactly the performing ability of that in which they were interested.

There is no doubt that this exhibition will have a large influence on future shows, and it is fair to predict that one result will be the holding of such big shows in the open where things can be shown in actual operation. North Carolina, therefore, enjoys the added distinction of having inaugurated a method of holding road shows that may be revolutionary.

The city of Columbus, Ga., has voted a bond issue of \$900,000 for the construction of a new high school, sewers, fire stations and stadium to include playgrounds.

American Veterans May Visit France.

New York, June 17—[Special.]—There are, approximately, 4,500,000 veterans of the European War in the United States. R. M. Bryan, Eastern manager of the Black Diamond, who is himself a veteran, has heard so many expressions of men who saw service, as to their desires to visit France, that he has become imbued with the idea of arranging a moderate-priced trip so that many of these ex-service men can see their desires realized. Mr. Bryan went to France recently, and while there made a very close study as to costs of transporting, housing and feeding people, and when he came back to New York presented in detail the plan to the officials of the United States Lines, operating Government passenger ships on the north Atlantic, to which they gave immediate consideration.

The result is that the United States Lines announce a number of veterans' tours to France this summer, the first of which will start from New York on the S. S. America, sailing July 12. A rate of \$275 has been named for this tour, which will cover the steamship passage going to and coming from France, and all travel, food and housing costs in France. The veteran will be given 15 full days in France, and three or four days of this time will be devoted to a tour, by motor buses, of the battlefields. The veterans will return on the S. S. Leviathan, sailing from Cherbourg August 5 and arriving at New York August 11. Thus, 30 days will be occupied in making this tour.

Restriction in immigration gave the United States Lines an opportunity to rearrange some of their excellent third-cabin space to be devoted exclusively to these veterans' tours, and the veterans who elect to go will be assured the most comfortable quarters, plenty of wholesome food and the best of service, and they will have exclusive use of the special cabins, decks, saloons, etc., allotted to them. The United States Lines have established a bureau in France to arrange and manage these tours, so that the veterans are assured a personal service throughout the entire trip.

Other convenient tours, each of about four weeks' duration, are scheduled to follow, about every two weeks, during the present summer. Mr. Bryan believes there are many thousands of veterans who are amply able to spend \$275 to \$350, or even \$400, for a trip to France, and that there will be a lively response on the part of the veterans to secure accommodations.

Mr. Bryan found in Europe that the French people were very enthusiastic over this project, and they appreciate that the visits of the American veterans to their country at this time will do very much to strengthen the already amicable relations existing between these two countries.

Will Establish Plant at Louisville With Annual Capacity 20,000 Commercial and 2500 Bus Bodies.

Louisville, Ky.—Papers of incorporation for the Associated Bodies Corporation, with an authorized capital stock of \$1,000,000, have been filed with the county clerk here. It is understood that the following officers will be in charge of the new corporation: R. F. Monroe, president; D. C. Harris, vice-president and treasurer, and J. W. Sliger, vice-president and secretary, all of Louisville.

General offices will be maintained at Louisville, it is stated, and an assembly and distributing plant for automobile bodies will be established at once. This will be followed later by a manufacturing and assembling plant. It is thought production will begin within 60 days on a basis of 20,000 commercial bodies and 2500 bus bodies annually. In addition to its output of bodies, the corporation and affiliated companies will also manufacture and distribute bumpers, batteries, tires, shock absorbers and other accessories.

FLORIDA'S MUCK LAND AS A SOURCE OF FERTILIZER PRODUCTION.

Fertilizer Men Visit Standard Agricultural Chemical Corporation's Fertilizer Plant at Fellsmere, Fla.

Fellsmere, Fla., June 17:—Freedom for the American farmer, to a large degree, from his dependence on certain materials necessary to manufacture a complete fertilizer, such as "tankage, blood and bone, and other animal materials," has come to light from the new industry being established here by the Standard Agricultural Chemical Corporation. Florida once more enters the world's market with an industry whose importance the American farmer has not fully realized.

It is not too much to expect that the American farmer of the future will look to Florida largely for the salvation of his crops.

The authority for this statement is H. L. Dudley of New York city, for many years connected with the American Agricultural Chemical Corporation. Speaking of this new industry, Mr. Dudley, who is now on a visit and inspection tour of the plant under construction by the Standard Agricultural Chemical Corporation with Edmund Mortimer, president of that company, said:

"Fertilizer manufacturers have been rather uneasy for some time over the condition arising from the shortage of tankage, blood and bone, and other animal materials necessary to the fertilizer industry. These materials are known in the business as 'conditioners,' the supply of which is gradually being exhausted, due to the fact that they are now being used as hog and cattle feed. Therefore, fertilizer manufacturers have been looking for a source of supply that would take their place and that would insure an unlimited source.

"The muck lands of Fellsmere Farms have solved the problem.

"Other states were surveyed, and though favorable conditions were found, particularly in New Jersey, no state offered opportunities as favorable as Florida. The favorable conditions necessary to the success of this new industry are, first, muck soil, highly ammoniated, with sufficient depth and thorough drainage; second, sunshine and air to withdraw a certain amount of moisture before muck passes through the driers and is further treated; third, transportation facilities."

"The situation at Fellsmere Farms is peculiarly favorable to the manufacture of this fertilizer from muck soil," said Mr. Dudley. The material produced here is high in ammoniates and will constitute a conditioner for a complete fertilizer far superior to any conditioner and filler used at present. The large deposits of muck available at Fellsmere Farms for the new industry, with a large portion of such drainage that is necessary already accomplished, without question operations begun here at Fellsmere will be one of the big industries of Florida. This is one of Florida's great manufacturing opportunities—unquestionably so, according to Mr. Dudley.

Mr. Dudley has been actively engaged in some important branch of the business since 1865. He was one of the organizers and secretary of the American Agricultural Chemical Corporation, the largest fertilizer manufacturers in the world, and for more than 20 years was chairman of the purchasing department for this concern. Mr. Mortimer is also recognized as a foremost fertilizer authority. Speaking of the new plant the Standard Agricultural Chemical Corporation has now under construction, Mr. Mortimer said:

"We are building the largest plant of its kind in the world, with an output from its first unit of 180,000 tons of marketable material annually, and within 30 days we will be ready to supply the fertilizer manufacturers with the necessary conditioner and filler for a complete fertilizer pack. Our power plant will have a capacity four times the capacity of first unit, and as soon as the first unit is in operation it is planned to begin work on the second unit, and so on until the entire four units are in operation.

"In addition to having the largest plant in the world, we shall have the most up-to-date plant. Several new features have been introduced, all operations will be automatic and electrically controlled, hand work being reduced to a minimum. Briefly, the method of process is to transform the

muck deposit of Fellsmere Farms into fertilizer by sun-drying the original soil, after which the material will be kiln-dried and screened and further treated. This will enable us to produce a fertilizer conditioner and filler that will not 'cake up' and that will remain 'friable' and in a drillable condition at all times. It is, of itself, a soil builder on account of the nitrogen and humus contents, and will be in great demand and will come largely into use for the building up of lawns and golf courses throughout the country."

George F. Maddock, president of the Fellsmere Drainage District, who lives here, accompanied Messrs. Dudley and Mortimer on their inspection of plant. Mr. Maddock said:

"With the sale of the \$800,000 bond issue for the completion of the drainage works and the letting of a contract for the construction of these works, which is hoped to be accomplished in the near future, Fellsmere Farms and adjoining lands will, in my opinion, be a completely drained project. Moreover, the fertilizer plant, being located within the Drainage District boundaries, and close to the town of Fellsmere, should be a large asset to every owner of land within the district and every citizen of the town. The large quantity of fertilizer to be shipped over the railroad passing through the town will naturally create many new business interests here and consequently reflect on all property values."

New Chemical and Fertilizer Plant.

Birmingham, Ala., June 6—[Special.]—Side tracks are in and excavation has started on a large new process chemical plant, with fertilizer works just beyond the city limits of Birmingham, between Vanderbilt and Boyle. Construction contract has been let to the Inglenook Construction Co. of Birmingham following the purchase of a site of 11 acres. Side tracks have been laid by the Louisville & Nashville Railroad and work on the structure will be rushed so that the plant may be completed and machinery installed by the latter part of August.

Details of the corporation will be announced by July 1. The plant will cost more than \$350,000 and will give employment to a large number of men.

Tentative plans are in the hands of W. H. Kettig, who states the industry will be one of the big propositions of the district.

Divine Millwork Co. Has Millwork Contract on \$825,000 Battery Park Hotel.

In a recent description in the MANUFACTURERS RECORD of the new Battery Park Hotel at Asheville, N. C., in which was presented an illustration showing the building as it will appear when completed, announcement was made that contract for millwork had been awarded to the Dixie Mill Work Co. of Wilmington. This report was erroneous, as the name of the company should have been the Divine Millwork Co. of Wilmington, N. C.

As previously detailed, the building is being erected for E. W. Grove of St. Louis and Asheville at a cost of \$825,000. It will be eleven stories high, 190 by 103 feet, and will contain 22 rooms and bath on each of ten floors. W. L. Stoddart of New York is the architect and construction is under the direct supervision of J. M. Geary, Asheville, construction engineer.

Contract for \$1,250,000 Hotel at Birmingham.

Birmingham, Ala.—General contract for the Redmont Hotel to be erected here by the Realty Co., Inc., has been awarded to the Smallman-Brice Construction Co. of this city. The building will be 14 stories high, 60 by 100 feet, and will cost about \$1,250,000. It will contain 250 guest rooms, each with private bath. Construction will begin at once and it is expected that the building will be completed by January 1, 1925. G. Lloyd Preacher & Co. of Atlanta are the architects.

Telling the Textile World of the Real Opportunities Existent in Alabama.

[The Birmingham News.]

The Alabama Power Company has been running a series of advertisements in the MANUFACTURERS RECORD of Baltimore, putting before the manufacturing world the opportunities Alabama offers within her borders. It may be and doubtless will be charged that the Power Company is hardly doing this pro bono publico; there are still a few corporation-baiters in Alabama who make their appeal to the ignorant and unthinking. But every person with an ounce of brains will realize that these activities of the Power Company are of that enlightened self-interest which is co-operative in the highest degree. For, if the Power Company locates an industry in Alabama and thus provides another customer, will not the community in which that industry is located profit in a vastly larger degree than the Power Company?

There is the employment of hundreds, perhaps thousands; the opportunities for mercantile businesses, professional men, the sale of lumber and materials for constructing mill buildings, the money that goes to labor creating those materials and erecting those buildings and houses; the enhancement of property values, the giving of a large consuming population as a nearby market to farmers, to whom the farmers can sell direct, eliminating the middlemen's profits. Who would grudge the Power Company, then, sale of its power when the very production of that power and its distribution affords livelihood to other thousands on the company's payroll? And who will deny that the activity of the company in thus advertising Alabama is wholly beneficial?

The advertisement in the issue of May 15 is particularly striking, for it deals with the available supply of labor. The text of the article is so striking that it is worth study:

A great labor reservoir, available for the textile industry, is found in Alabama's famous Piedmont section—the center of her textile industry.

Existing plants have absorbed but a fractional part of the existing labor supply.

Percentage of wage-earners engaged in textile pursuits in Alabama constitutes only 16.9 per cent of the average number of wage-earners in all industrial vocations.

The great reserve of labor in the Piedmont section of Alabama is preponderantly native born. Only 3 per cent of it is foreign stock, only 0.8 per cent is foreign born.

Compare this with the relatively high percentage of foreign stock in many other states: Rhode Island, 69; Massachusetts, 66; Connecticut, 65; New York, 62; Wisconsin, 59; New Jersey, 58; Michigan, 53; Illinois, 50 per cent.

The bulk of this native labor is descended from the same white stock as that of Pennsylvania—of an ancestry which knew the workshop and not the farm. It is English, Scotch-Irish and Welsh in origin, with a hereditary affinity for industrial pursuits. It has proved peculiarly adapted to the demands of the textile industry—intelligent, capable and not susceptible to those disturbing influences encountered in some sections where the foreign element dominates the industrial field. Hence the harmonious relationship between mill operators and employees, which has been the outstanding note in cotton-mill operations in Alabama.

One of the outstanding reasons for the cotton mills of the East seeking other locations has been the constant turmoil with employees. Strikes, lockouts, disturbances have followed one another endlessly.

The 66 per cent foreign element in Massachusetts, the 65 per cent in Connecticut, the 69 per cent in Rhode Island is one of the answers.

The native whites of the South are natural conservatives. North Carolina, with its great textile prosperity; Georgia, Alabama are indications that the mill operatives of these regions believe in a live-and-let-live policy, while foreigners merely sojourning in this country are out to extract the last cent, hoping to make a clean-up and return to the old country at the earliest possible date. They are regardless of the prosperity of the employer and seemingly do not understand

that their prosperity is bound up in that of the concern they work for. Many of the Southern mill personnels become owners of securities of their employing concerns. And least of all do they want to be unfair.

So, this point of view of the Southern native whites is that of the Anglo-Saxon, a square deal and fair play: two of the elements of that character which has carried the type far along the road and placed it as the greatest type of humanity today.

Crop Diversification in Georgia.

Atlanta, Ga., June 9.—Vegetable crops covering nearly 3000 acres that will require more than 600 cars to move them are now being grown along the line of the Atlanta, Birmingham & Atlantic Railroad south of Cordele, with the exception of Brunswick, according to reports received here today from G. B. Eunice, agricultural development agent of the road. Most of the truck, early varieties of which are already beginning to move to eastern markets, will be produced in six counties in South Georgia within a radius of fifty miles.

Great Petroleum Exposition Planned.

The "greatest petroleum industrial show on earth," as it is described by its promoters, is to be given at the International Petroleum Exposition and Congress, Tulsa, Okla., October 2 to 11. All the space has been disposed of, and the scope of the exhibit is to be enlarged to make room for late entrants. L. B. Jackson is president; J. M. Hayden and W. A. Vandever are vice-presidents; William Holden, secretary; J. J. McGraw, treasurer; P. D. Hayes, assistant treasurer, and E. F. McIntyre, general manager.

Contracts for \$500,000 Courthouse.

Monroe, La.—Contracts for the proposed \$500,000 courthouse to be erected here by Ouachita parish have been awarded to Caldwell Bros. of New Orleans at \$427,705 for general construction, heating and lighting and plumbing. The Pauly Jail Building Co. of St. Louis was awarded contract at \$29,903 for the installation of jail equipment in the basement of the building. It is estimated that furnishings for the structure will cost \$25,000. J. W. Smith of Monroe is the architect.

Atlanta Interests Plan \$1,000,000 Hotel at Tampa.

Tampa, Fla.—A site on the east side of Howard avenue at Bayshore boulevard, in this city, has been purchased by the Wynne-Claughton Realty Sales Corporation of Atlanta for a hotel and apartment building to cost about \$1,000,000. It is stated that plans are being prepared by G. Lloyd Preacher & Co. of Atlanta, for a ten-story building, and it is the purpose of the Wynne-Claughton company to complete the structure by December 1.

\$800,000 Combination Building for Miami.

Miami, Fla.—Property at the corner of East Flagler street and Southeast Second avenue in this city has been leased by the Paramount Enterprises, Inc., which is composed of the Famous Players-Lasky Corporation of New York and the Leach interests of Miami, for the erection of a theater, hotel and store building to cost about \$800,000. The building will be eight stories, covering an area of 21,500 square feet, and it is expected construction will begin by July 1.

William M. Thompson and Roy B. Thompson of Oklahoma City, Okla., are reported considering the erection of a 12-story hotel at Oklahoma City to cost about \$500,000, plans for the building being drawn by Atkinson & Olston of Tulsa.

Appreciation of Blue Book of Southern Progress.

Further appreciations of "The Blue Book of Southern Progress," issued by the MANUFACTURERS RECORD, take the nature of recommendation to the people of the South to read and study the volume for their interest and enlightenment on a thousand and one subjects on which they may not be informed. It is not a volume of dry figures and statistics, but a book of information so thoughtfully compiled as to make it intensely interesting.

A few additional comments from Southern papers of high standing are as follows:

"Always Doing Something Worthwhile."

[Tampa (Fla.) Morning Tribune.]

The MANUFACTURERS RECORD is always doing something worthwhile to impress the country with Southern resources and growth. Its "Blue Book of Southern Progress" just issued is an instance.

The "Blue Book" compiles more facts about the South than the Tribune has as yet found in any other publication. Every resident of the South, man, woman, child, ought to have a talking acquaintance with the facts set forth in this book. It will give them renewed faith in their section of the country and make them consistent and enthusiastic boosters for it.

The general circulation of this book, assured by the MANUFACTURERS RECORD, will prove of incalculable benefit to the South.

"Best Informed Publication."

[Journal and Tribune, Knoxville, Tenn.]

Some Southern people, in thinking of this section, are possessed of an "inferiority complex" which is the highbrow psychoanalyst's way of describing the fellow who feels he is a failure. The folks referred to may not feel that they themselves are failures, but they have a way of comparing other sections with the South to the South's disadvantage.

To any such is cordially recommended a careful reading of "The Blue Book of Southern Progress" just issued by the MANUFACTURERS RECORD, of Baltimore, Md., recognized as the best informed publication in the United States, at least with respect to the South.

It might be read, also, with much benefit by a good many people in the North and East whose uninformed estimate of the South, unfortunately, has been taken at face value by a large number of Southern people who ought to know better.

Possibly the most common error is the impression that the South is unhealthy, yet there is not a single state in the Southeastern section that has a death rate as high as the average for the United States (11.4 per 1000 whites) and only a half a dozen states in the entire Union that have a death rate as low as the highest rate in the South. Furthermore every Southern state, except Maryland, had a higher birth rate than the average for the United States, 22.6.

The small number of foreign-born in the South is better known, but it is doubtful if the importance of that fact is fully appreciated. In the entire South only 4 per cent are foreign born, 75 per cent live in the state of their birth, 13 per cent were born in other Southern states and 8 per cent were born elsewhere in the United States. In other words, the population of the South is not only intensely American, thank God! but is also essentially attached to its homes. Any attempt to spread Bolshevism among that class of people would have just about as much success as did the abortive German effort during the late war to foment sedition among the Southern negroes on the mistaken theory that they had no liking for the white people. If there were no other reason for being proud of and believing in the

South, this fact alone should be ample for those who have any knowledge at all of the un-American character of a considerable part of the population in the North and East.

But that is far from being the only reason. The other reasons are too numerous to mention in the short space allotted for editorial comment. There are about 150 pages of statistics in the "Blue Book." One of the most important features is the enormous potential hydro-electric power, in which the Southern Appalachian section leads overwhelmingly; the Tennessee River alone has approximately 2,000,000 maximum potential horsepower, as compared with about 7,000,000 in all other streams in the entire United States.

No wonder that a well-informed Northern man, Wm. D. Kelley, at a time when he was probably the strongest Republican leader in Congress, wrote of the South: "It is the most glorious country upon which my feet or my eyes ever rested. It is to be the coming El Dorado of American adventure." * * * I do not consider there ever existed in the West, great as its wealth is, nor in any other portion of the country, anything like the natural wealth of the South."

Speaks Through the Blue Book.

[Orlando (Fla.) Evening Reporter-Star.]

Elsewhere in the News attention has been called to the geological report made in the last Government pamphlet, in which it is pointed out that the clay deposits of Escambia are the most valuable in Florida; now in "The Blue Book of Southern Progress, published by the MANUFACTURERS RECORD, we find this:

Here is what, in one of his discussions of the possibilities of the South Dr. Arthur D. Little, Chemist, of Boston said:

"I believe, however, that no one with the capacity to understand their true significance can review the colossal figures which set forth the natural resources of the South without first being stunned and overwhelmed, and soon thereafter filled with the vision of their stupendous possibilities.

"These figures may be summarized in the statement that the South contains in superabundant measure the basic raw materials required for the development of great groups of co-ordinated industries founded upon chemistry and on a scale incomparably more vast than anything yet known. She has more than half the iron ore in the United States and 75 per cent of all the coking coal; great stores of lignite, natural gas and oil. Here is the purest salt which occurs in nature, the cheapest and purest sulphur, clays endless in variety and extent, bauxite for aluminum and for abrasives, limestone adjacent to coal and iron, phosphate rock, gypsum, barytes, shale and quartz, ores of zinc and manganese, lead and nickel, titanium and tin. There is enough wood waste to supply the country's need for paper, and the world must soon look to the stumps on millions of acres of cut-over lands for its rosin and turpentine. The cotton fiber is itself the raw material for many chemical industries of magnitude, and the short hull fiber, to utilize which in smokeless powder huge Southern plants were built, is now available for paper making and other arts of peace. The products and the

potentialities of the cottonseed now have a rival in the humble peanut, and in at least one Southern locality the peanut crop exceeds the cotton crop in value. In the South as a whole the value of the corn crop already approximately equals that of cotton and affords a basis for great corn-products industries. To such material resources, with many others to which no reference can be made here, the South adds the potentialities of 5,000,000 horsepower in the available energy of her streams."

After referring to some of the many new interests which will be developed in the South and the utilization of its water powers, he added:

"These water powers will become the centers of diversified and highly developed manufactures, the economic value of which will be a hundred times that of the water powers themselves.

"The South," said Dr. Little, "is furnishing the bauxite for the aluminum industry of the country, and there are immense deposits of kaolin in Virginia, the Carolinas, Georgia, Florida and Alabama available as raw material for aluminum. The variety and range of character of southern clays is amply sufficient to meet every requirement of the ceramic industry from bricks and tiles to porcelain."

Southerners, Prepare to Marvel.

[James Hay, Jr., in Asheville (N. C.) Citizen.]

Southerners that you are, prepare to marvel at what Southerners have achieved! Read this new list of inventions, discoveries and victories which give the South title to leadership of American civilization. Remember that much of this great work was done at a time when Southerners, with Athenian tragedy in their hearts, presented smilingly to the world a life of Arthurian chivalry.

Southerners that you are, read the complete list of what the South has done! You will find it beginning on page 63 of the recently published "Blue Book of Southern Progress." You can buy it from the MANUFACTURERS RECORD, Baltimore, Md., for fifty cents.

It is an amazing chronicle. It shows the Southerner that his is a heritage of tremendous accomplishment. It convinces him that, with such a yesterday to inspire him, he can go into a tomorrow that will lead wonder captive!

Southerners that you are, you will, in reading these brief annals, realize anew what inexhaustible genius, what incomparable valor, built up that "Old South" of which this South of ours today is a triumphant continuation.

Read the record. Review the incredibly wide field of human endeavor in which the South excelled; and, holding for a moment the true meaning of the picture, thrill to its prophecy of what you, Southerners that you are, will yet accomplish.

The earliest American settlement of English-speaking people was made in the South. The earliest legislative assemblage conducted in accordance with genuinely democratic ideals was held in the South. Southern statesmen gave more to the Union in the form of territorial expansion than all the statesmen of the rest of the country.

The first institution of higher learning paid for by public money was situated in the South—the University of Virginia. In higher education for women the South led the Union; the first college for women in America was founded at Macon, Ga., a third of a century ahead of Wellesley, Smith and Radcliffe.

Dr. Crawford W. Long, a Georgian, was the discoverer of ether for anesthesia, and performed the first operation under ether at Jefferson, Ga., in 1842.

The South worked this country's first coal, gold and iron mines.

Dr. Gorrie of Florida made practicable and put into operation the first ice-manufacturing machine.

Three Charlestonians, Drs. Ravenel and Hume and Professor Holmes, created the phosphate industry.

The first venture in trans-Atlantic steam navigation came in 1819 when a steamer sailed from Savannah for England.

The first degree of M.D. ever conferred upon a citizen of this country by a foreign university went to William Bull of Charleston. The first anesthetic dental surgery was done by Dr. W. F. G. Morton of Baltimore, Md. A Kentucky surgeon was the first to perform a highly involved operation which soon thereafter revolutionized the treatment of many women's ailments. Dr. Marion L. Sims, a South Carolinian, was famous throughout two hemispheres for his discoveries in the treatment of diseases common to the female organism.

A Southerner, Cyrus McCormick, transformed agriculture by inventing his reaper.

It was a Southern city, Baltimore, which had the first electric trolley line, the first city gas company, the first dental college and the first statue of Washington.

The first electric telegraph line ran across Southern territory exclusively, from Washington to Baltimore.

In Matthew Fontaine Maury of Virginia the South furnished forth a scientist who stands today unequalled in his field. It was due to him that our Weather Bureau was established. He tracked, traced and mapped the waves and winds; and, when the trans-Atlantic cable was laid, Maury's work in showing to the men the mysteries of the bottom of the Atlantic Ocean made that feat possible.

The first attempt to introduce the submarine was in Baltimore harbor. Captain Bullock, uncle of President Roosevelt, in building the Alabama showed the world that a Southerner's inventive genius in maritime science could snatch supremacy of the seas from superior power for two long years. A Southerner built the first "ironclad" battleship.

North Carolina was the first state to work a gold mine.

A North Carolinian as Secretary of the Navy was responsible for the Perry expedition to Japan, an event whose influence is still exercised upon world affairs. Another North Carolinian was Secretary of the Navy when the resultant treaty with Japan was signed.

James G. Dobbin and Thomas Ruffin of North Carolina, as orator and jurist, helped to write the precedents and bring about the legislation upon which all America relies for guidance and government.

No American sculptor has excelled the beauty of the recumbent statue of Lee at Lexington, done by Edward Valentine, the Virginian. Edgar Allan Poe, the Southerner, is unanimously acclaimed by foreigners the greatest literary genius ever produced on this side of the Atlantic.

Southerners wrote the Declaration of Independence, won the Revolutionary War, did the legislating and constructed the law upon which rests the security of the United States today.

In pulpit eloquence, literature, statesmanship, military genius, commercial organization, invention, industrial undertakings, medicine, jurisprudence and public service utilities the South led this country and astonished the world.

It is Rich in Fact.

[Birmingham (Ala.) Traveler.]

"You would be surprised how very little even the Southern instructors know about the country that they live in," wrote a college professor to the MANUFACTURERS RECORD regarding the contents and information contained in the "Blue Book" of Southern facts. Educational instructors, as a rule, confine their studies to textbooks. Some of them do not look beyond the covers. Some of them do not see that pages are not there that should be rich in fact.

Who Will Be the Developers of the South?

[High Point (N. C.) Enterprise.]

Without hesitation we accord this space to consideration of the 1924 "Blue Book of Southern Progress" which the MANUFACTURERS RECORD of Baltimore is issuing. Reciting some of the estimates of outsiders in the matter of Southern natural resources and development possibilities, the MANUFACTURERS RECORD says of its book:

"This chapter alone will make this year's Blue Book an invaluable addition to every library and to every business office in the South. Here are the facts which will quicken the lifeblood of every patriotic Southern man and woman, every Southern boy and girl. Here is food for mental nourishment, food for the stimulation of the mind and the quickening of the imagination, as the people of the South see what others have predicted for the future of this section. It behooves the people of the South to study these facts with care, and to decide whether they and their children shall be the active factors in leading in this great development upon which this section has entered, or whether they shall sit idly by and let thousands and tens of thousands of the rising generation become 'hewers of wood and drawers of water' for the men of money and brains who are coming here in ever-increasing numbers."

After all, it is merely a question as to who will be the developers of the South. There is no doubt that its full possibilities will be realized, but the editor of the Baltimore publication now as ever proves that he is something more than scientist or statistician. He endeavors to whip the slothful Southerner into action to hold his birthright. He indicates unmistakably a love for the people as well as for the land, and because of the inspiration the Blue Book should be to those who, idling, might drift into relative serfdom where they should remain masters of the land, we join with the MANUFACTURERS RECORD in the hope that the book will have wide circulation in the South. We base our estimate of its worth upon recollection of the excellence of the last year's number.

"Should Be in Office and Home."

[Miami (Fla.) Herald.]

From the MANUFACTURERS RECORD, Baltimore, comes another of those Blue Books that have so well displayed the steady and wonderful advance the South is making.

The 1924 edition of "The Blue Book of Southern Progress" is filled to the covers with the most enlightening information concerning the progress being made in every state in the South. It is a wonderful book, one that should be in every office and every private library, for it gives the exact information in a most convenient form that every business man wants to have handy at some time or other during the year.

As the book itself says, it is a survey that discloses that "Southern development unfolds a matchless panorama of progress."

"Thank You for Splendid Work."

Little Edisto, S. C.

I wish it were in my power to put this volume ("The Blue Book of Southern Progress") into the hands of every school teacher in my state, as it is so full of knowledge that we of the South woefully lack.

Permit me also to again thank you for the splendid work you are doing through the MANUFACTURERS RECORD—especially for the South, as well as the whole nation.

J. SWINTON WHALEY.

George I. Pratt of Atlanta, Ga., is reported to have purchased Coosa water power rights in Murray county, Georgia, from Carter & Tate of Dalton, Ga.

FERTILIZER ASSOCIATION MEETING.

Plans for Improving Situation of This Industry by Consolidation of Two Bodies.

Asheville, N. C., June 12.—[Special.]—In the annual meeting of the National Fertilizer Association and the summer meeting of the Southern Fertilizer Association, held at Kenilworth Inn, Asheville, the week of June 9, an earnest effort was made to improve conditions in the industry which have wrought havoc with profits in recent years, and as a result of the meetings there is a feeling that conditions are indeed to show improvement.

The financial condition of many of the companies which called for rigid economy and the need of closer organization seemed to be the reasons for a movement to consolidate the Southern Fertilizer Association and the National Fertilizer Association. The executive committees of the two associations favor consolidating, but the final disposition of the matter will not occur until the annual meeting of the Southern Association, which will not be held until October or November. The consolidation is not to be consummated without some opposition, as there is evidence that many of the Southern manufacturers would like to maintain a Southern organization, but there is evidence of a willingness to make concessions to bring about a better condition in the trade.

President Gustavus Ober, Jr., in his annual address to the members of the National Association, stressed development of the opportunities for larger consumption of fertilizers among farmers who were not averaging half the amount they should be using with profit to themselves. This rather than curtailment he advocated as the most satisfactory way out of the overproducing capacity of the industry. To this end he favored a program of soil improvement committee work far beyond anything hitherto contemplated, with a goal of \$500,000 a year for such work to be reached as soon as possible.

The attendance at the meetings was large and there was evidence that the fertilizer manufacturers are going to enter the next fiscal year with a very strong determination to put the industry on a better basis.

The officers elected to serve the National Association for the coming year are as follows: President, Gustavus Ober, Jr., Baltimore, Md.; vice-president, Spencer L. Carter, Richmond, Va.; secretary John D. Toll, Philadelphia, Pa.; treasurer, Irvin Wuichet, Dayton, Ohio.

Annex for Waldorf Hotel, Dallas.

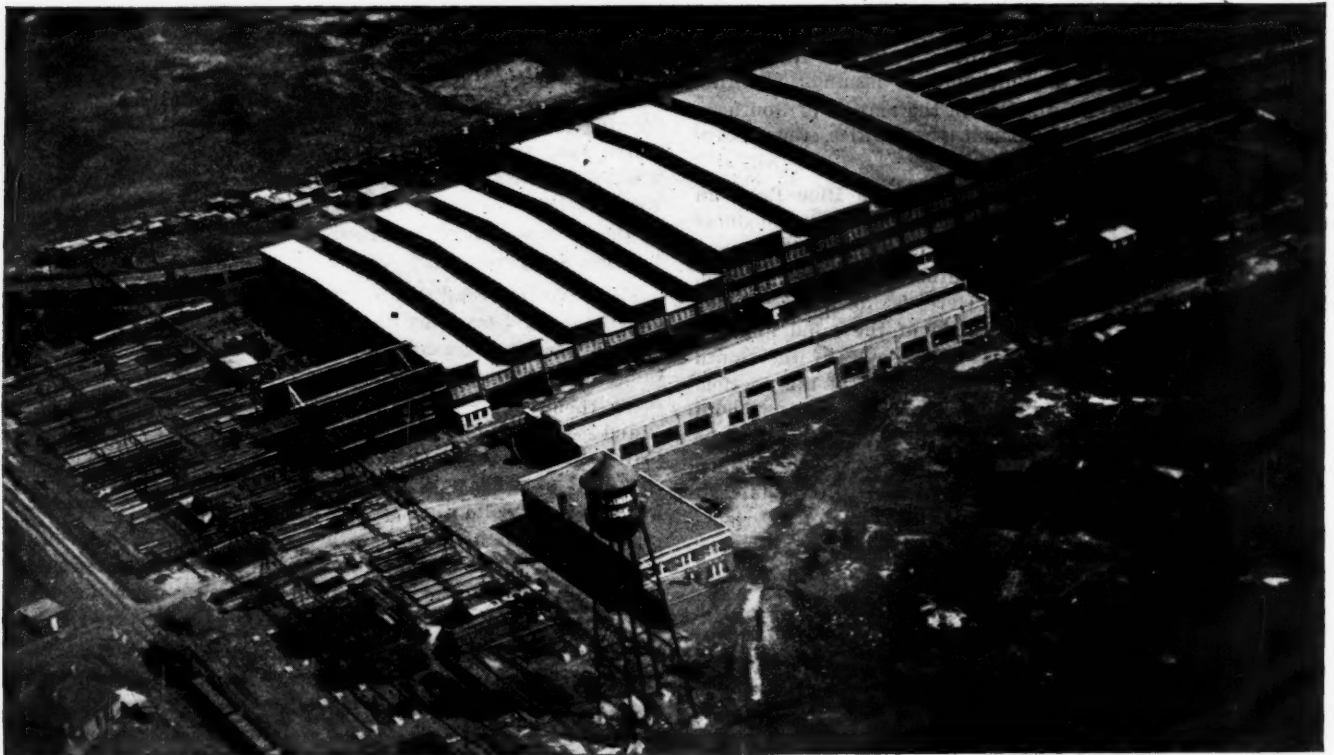
Dallas, Tex.—Plans for the erection of a 12-story annex to the 6-story Waldorf Hotel at Commerce and Kendall streets, this city, have been announced by Harry Sigel, owner of the building. The new building will adjoin the Waldorf on the east, facing Commerce street and extending through to Jackson street. Property on which it will be built has a frontage of 25 feet on Commerce and 45 feet on Jackson street.

The annex will be of fireproof construction and will contain 200 rooms. F. J. Woerner & Co. of Dallas are the architects.

Plan \$1,000,000 Office Building at Tampa.

Tampa, Fla.—Tentative plans have been made by Charles H. Brown of this city for the erection here of a \$1,000,000 office building at the southeast corner of Franklin and Lafayette streets, and it is expected that contract will soon be awarded. A feature of the building, it is said, will be a roof garden. The structure will be occupied in part by the Florida Mortgage Title & Bonding Co., in which Mr. Brown is interested.

VIRGINIA BRIDGE & IRON COMPANY'S PLANT AT BIRMINGHAM.



Airplane view of the plant of the Virginia Bridge and Iron Company, situated on a 90-acre tract in East Birmingham. It is a modern and completely equipped steel fabricating works for the manufacture of buildings and steel bridges. The plant has facilities also for the manufacture and repair of steel railroad cars. Two other plants of the company are located at Roanoke, Va., and at Memphis, Tenn.

New Hotel and Office Addition to Cost \$1,500,000 Planned at Birmingham.

Birmingham, Ala.—Details have been arranged by H. G. Woodward and associates to build a new 12-story hotel here to replace the Metropolitan, and to erect a seven-story addition of 250 rooms to the Woodward office building, total construction cost to be about \$1,500,000. Warren, Knight & Davis of Birmingham, are architects for both structures, sketch plans for which have been approved, but working drawings are not complete.

\$1,000,000 Development at Cocoa Beach.

Cocoa, Fla.—The proposed development here of the Cocoa Beach Development Co., Gus C. Edwards, president, will entail an expenditure of \$1,000,000 for the construction of streets and sidewalks, building residences and other structures and installing facilities. The company has a total of 1000 acres of which it will develop 450 for a townsite. R. W. Russel, Jr., of Courtenay, Fla., is the architect and Carl Fay of Cocoa is the general contractor. H. B. Smith of Titusville, Fla., is the construction engineer.

Contract for \$200,000 Packing Plant.

Springfield, Mo.—The Springfield Packing Co. has awarded contract to G. F. Mentschel of this city for the construction of its proposed \$200,000 meat-packing plant on property east of the city limits. Of brick construction, the main building will be two stories and basement, with concrete foundation and floors, gravel roof, ventilators, vaults, etc. Elevators and lifts will be installed. Heckenlively & Mark of Springfield are the architects.

The city of Portsmouth, Va., J. P. Jervey, city manager, has voted a bond issue of \$250,000 to improve its waterworks.

Miami to Expend \$900,000 for Paving and Bridge.

Miami, Fla.—Contracts will be awarded by the city of Miami about July 1 for street paving to cost about \$750,000, and for the construction of a \$175,000 bridge over Miami River, for which Harrington, Howard & Ash of Kansas City, Mo., are engineers. Construction will be in charge of Ernest Cotton, director of public service. F. H. Wharton is the city manager of Miami.

Reported \$500,000 Purchase in Florida.

La Belle, Fla.—It is reported here that Henry Ford of the Ford Motor Co., Detroit, has purchased more than 8000 acres of land in Hendry county, centering around La Belle. Mr. Ford is reported to have paid about \$500,000 for the property, which includes the townsite of Goodno and the public utilities and a number of buildings in La Belle.

Plans for the development of the land, it is said, contemplate clearing a large acreage and planting rubber trees.

\$1,000,000 Hotel Planned for Richmond.

Richmond, Va.—Plans are being prepared by W. L. Stoddard of New York for the erection by outside capital of a \$1,000,000 hotel at 9th and Broad streets, this city, on a site owned by the Francioni estate and by Ralph and Jesse Rothschild. Option on the property has been arranged by Homer Wilson of Schmidt & Wilson, Inc., Richmond.

The building will be 15 stories, to contain 300 rooms, a large assembly room and other features of a high-class commercial hotel.

Plans are being prepared by G. Lloyd Preacher & Co. of Atlanta, Ga., for the erection of a \$700,000 theater at Peach-tree and Cain Streets in that City by New York interests. The Burdett Realty Co. of Atlanta is negotiating a lease for the site.

NEWS AND VIEWS FROM OUR READERS

[Publication in this department of letters from our readers does not mean that we either approve or disapprove the views expressed. We believe in a full and frank discussion of the mighty questions of the hour, for only in this way can the truth be found. Therefore we often publish letters with which we do not agree.—Editor Manufacturers Record.]

Claims That the Reserve Banks, Once a Blessing, Now an Injury.

JAMES A. MARTIN, Johnson City, Tenn.

I intend to prove my charge that the Reserve banks, once a blessing, now are a curse by their own figures, as issued May 21, 1924, by their weekly statement.

On May 21, 1924, these 12 Reserve banks held a total gold reserve of \$3,138,166,000; twelve months prior to this, \$3,093,295,000, or \$44,869,000 more gold now than 12 months ago.

On May 21, 1923, total earning assets were \$1,178,177,000; on May 21, 1924, \$795,499,000, or \$382,678,000 less earning assets than a year prior.

Money (notes so-called) in circulation on May 21, 1923, \$2,227,700,000; on May 21, 1924, \$1,886,429,000, or \$441,271,000 less money in circulation by these banks than a year prior.

Total earning assets May 21, 1924.....	\$ 795,499,000
Total money (notes), May 21, 1924.....	1,886,429,000
Total earning assets and money outstanding.....	\$2,681,928,000
Total gold held May 21, 1924.....	\$3,138,166,000
Total money issued and earning assets.....	2,681,928,000
	\$ 456,238,000

More gold than all their total earning assets and total money issued by these 12 reserve banks.

In other words, we show here by their own figures that they hold 100 per cent gold for all their earning assets and for every dollar in money that they now have in circulation, which they call notes.

This shows a deflation of \$441,271,000 inside the past 12 months.

This shows \$456,238,000 more gold than is being used at all.

In other words, it would be far better for this country, if all this gold was put in circulation and used, rather than remain locked in huge vaults, in preference to using the amount as shown above.

These Reserve banks proved a blessing during the war days, and when they got into new hands they proved a curse, as dating from their secret meeting, May 18, 1920, as published by your able journal, from their secret papers. The deflation that they adopted then still goes forward in dead earnest, as their own figures, just quoted, clearly show. When our huge war debt was created these banks had outstanding \$4,040,000,000 Reserve Bank money, on which basis this war debt was made. Now these banks have much less than half this sum outstanding.

The managers of these banks ran interest rates up to 7 per cent, and reduced the market value of government bonds down to as low as 79 cents, which were bought up by the money lenders and plutocrats as long as their vaults would hold them. When they got their stomachs (vaults) full, they let the interest rate drop, so as to increase the value of bonds to par. The patriotic people of this nation, who invested all their cash and borrowed millions more, lost billions by that deflation, as adopted May 18, 1920. Any school boy would know how such manipulation of money issues by said banks would play havoc with bonds and every other article or thing that money buys. Money measures all values, and those who control those banks do all the measuring. They foreknow what to buy or sell by their own acts.

Today these banks are demanding that all member banks recall and pay up every dollar of loans that said member banks have borrowed or rediscounted with them, and this, I am

told by their own member banks, is their annual rule. This rule is what is now wrecking the business of this country. They know just what it will do in advance. They are working solely in the interest of the money lenders, seeking to bring about an annual panic, so they can reap where they have not sown.

These Reserve banks require every member bank to secure a written and signed individual statement from everybody from whom they buy or rediscount any notes virtually swearing themselves to state that the said statement of liabilities and assets is made for the purpose of obtaining money, or a line of credit, with said banks, and also agreeing to inform them if any change whatever takes place in their affairs, yet these are the kind of notes that these Reserve banks are now compelling their member banks to take out of their own Reserve banks at least once per year.

This, then, become an annual business wrecker every year.

When one fills out one of these blanks to obtain said line of credit he must show how much assets of every description, how much debts, and how much life insurance, yet this paper must be taken out of said Reserve banks yearly.

I think I have said enough to make my charge first stated a fact based on their own figures.

"There Is No Inalienable Right."

H. E. WEIGHTMAN of the Maphite Sales Corporation, Chicago.

I have been carefully studying the editorial on the front cover of your paper of May 15. If the premises upon which Mr. Gompers bases his reasoning were correct, your editorial would likewise be correct, but I believe that Mr. Gompers assumes false premises in making his statement.

I do not believe there is an inalienable right. Nothing is inalienable in connection with society. Under the present social conditions a man has the right to strike, but this is not inalienable. It is just granted for the present under the existing social conditions and may be taken away tomorrow by changing social customs.

When labor and their employers get together in a thorough understanding based on cold hard facts, this talk of inalienable rights will be forgotten. In the past many manufacturers have done things that should not have been done, and we find labor going through the same cycle now. This shows the well-known law of action and reaction.

Conditions are slowly righting themselves—slow in improving, as they have been for centuries. Progress is slow, and anything based on a mushroom growth fails. You have ample evidence of this in the record which Russia has made. This is true of a good many industrial firms where too rapid a growth has resulted in an unstable and immature project.

Hull, England, Invites Americans.

An invitation to visit the city of Hull, England, is extended to "the thousands of Americans who will be visiting the British Empire Exhibition in London this year," by E. Ernest Keighley, Lord Mayor of Hull, who in a letter to the MANUFACTURERS RECORD asks that this invitation be printed in its columns. Hull, which was founded in 1299, desires that Americans should view the "practical demonstration of community advertising, July 2 to 15, at Wembley," as well as to visit the city.

THE IRON AND STEEL SITUATION

Increased Sales by Some Mills—Wider Inquiries.

Pittsburgh, Pa., June 16.—[Special.]—Some important steel mills, at least, have had increased sales in the past week or two, making their bookings to date this month larger than in the same period of May. There is also more widespread inquiry, in a larger number of small miscellaneous tonnages rather than in any large single lots.

Possibly the turning point in the volume of steel buying has now been passed, but if not it will necessarily be passed soon. Certainly there has been no further decrease since about May 1.

Increased buying cannot be expected to arrest entirely the decline in mill operations, as this is due in large part to the playing out of old orders. Estimates made in the report of a week ago still hold good approximately, of steel ingots being produced at about 45 per cent of capacity and finished steel at about 50 per cent, the shipments being approximately 30 per cent against current and recent orders and 20 per cent against old orders. Illustrations of the latter are found in rails and freight car steel.

Mill operations may get down to 40 per cent or even a trifle less by the middle of July, but it is just as easy to see that such a low rate cannot be maintained for any length of time unless a general and severe industrial depression overtakes the country, as it was to see three months ago that a rate of producing ingots at 51,000,000 tons a year could not be maintained indefinitely, for with the whole country hard at work during the entire year 1923 only 43,500,000 tons of ingots were required, even that being 35 per cent over the average of the four years preceding.

The Steel Corporation's unfilled obligations decreased in May by 580,358 tons, against decreases of 574,360 tons in April and 130,094 tons in March, there having been increases in the three months preceding.

The May decrease was equal to about 42 per cent of capacity, while shipments may be estimated at 71 per cent of capacity, indicating bookings at 29 per cent of capacity.

The unfilled obligations at the end of May were 3,628,089 tons, the smallest since November, 1914. This "unfilled tonnage report" of the Steel Corporation is often cited as a business index, without any attempt at interpretation. It does not show that business is the worst in ten years. What it really does show is something that is already well known: First, that the war caused a great increase in steel producing capacity; second, that it has acted to retard progress and development afterwards, involving the consumption of steel. With this relation between requirements and capacity, buyers have no occasion to load the Steel Corporation with orders far ahead. They know they will receive prompt delivery any time they care to place orders, and perhaps at lower prices than now ruling.

Most of the liquidation of stocks of steel in the hands of jobbers and manufacturing consumers has now been completed. Many buyers are practically without stocks. The last of the stocks will probably be gone by the first week of July. There remains no little liquidating to be done in stocks of things made from steel, including machinery, hardware, tools, automobiles, agricultural implements, etc.

Steel prices have been holding quite well in the past fortnight, and in fact for 30 days, there being no changes of any great importance. In bars, shapes and plates the Pittsburgh market has held steady at 2.20c for six weeks. In the past week the Chicago market has declined slightly, while on the other hand a large Eastern steel interest has firmed up to the Pittsburgh basis. Various small mills in

the East are selling at below the Pittsburgh equivalent. The American Sheet & Tin Plate Company is meeting the independent market on sheets to the extent of \$4 a ton under the old prices, which it maintained until recently, while the independent market is steadier than it was a fortnight ago. Pipe remains perfectly firm, while it is claimed there is less shading than a fortnight ago in wire products from the prices developed a month or more ago at \$2 a ton under the old prices, so long maintained. This would make nails fairly firm at \$2.90, Pittsburgh.

After three or four months of stagnation in pig iron in all districts, a moderate volume of buying began to appear a couple of weeks ago, and the turnover since then makes a very fair showing relative to the previous inactivity. Prices were declining right along, but in a dull market there was not much pressure of competition, and naturally enough when inquiry increased there were some fresh declines, these being small. Most of the buying was for third quarter, but two or three large buyers made engagements for the whole half year. Reflecting activity in building, the conspicuous buyers have been makers of radiators, sanitary ware and cast iron pipe.

Belief That Period of Quiet Is to Be of Short Duration.

Birmingham, Ala., June 16.—[Special.]—While the tentative plans are for further curtailment of production, one furnace already out, there is hope among the blast furnace interests of the Birmingham district that a change for the better in the pig-iron market may set in before the month is over. Announcement has been made that if there is not a better demand for iron three furnaces will be closed down by the end of the month or shortly thereafter. No piling of iron has taken place in this state in several months; in fact, the surplus is at a minimum. The idea, however, is not to accumulate any iron at all, and as soon as the demand does not absorb the production there will be curtailment. The Woodward Iron Company, in blowing out the Vanderbilt furnace, left it in such shape that on very short notice it can be put back into blast. This will be the rule with other furnaces which are blown out, the belief being strong that the iron market quietness will not obtain so very long. J. W. McQueen, president of the Sloss-Sheffield Steel & Iron Company, in stating the conditions of the iron market in the Birmingham district, said that more business was needed and that unless there was a change for the better his company would blow out two furnaces.

Quotations for pig iron still range between \$20 and \$21 per ton, No. 2 foundry, as for the past few weeks, one of the smaller companies selling at the lower price and the greater number of producers at the \$21 and one or two at a higher price. The selling for a month has been practically of the spot class and in small lots. Three or four round tonnages were placed, but not enough to stimulate the market. One of the smaller furnace companies obtained an order for 10,000 tons from one of the larger cast-iron pipe makers, delivery during the next four months. Another order for 5000 tons has been placed. The other business has ranged from one to three and five cars of iron at the time.

The home consumption has been simmering for some time, the soil pipe and fittings producers feeling the effects of a lagging market. Several of these plants have either cut down the working time or have shut down entirely. Stove foundries are also curtailing production and other consumers have felt a defection in their trade. The cast-iron pressure pipe manufac-

turers have orders which will warrant a steady production, through August at least, and have covered in their iron needs. However, lettings are reported every week and the belief is that there will be a turn for the better in that direction also. The large-sized pipe manufacturing plants have shown wonderful activity, and while statement is made of a lagging market there is no indication of an immediate cessation of operations.

The surplus iron stocks are now very low in this state so far as foundry iron is concerned. Basic iron has accumulated some. The steel mills operations in the district are the same as a month ago, the Tennessee Coal, Iron & Railroad Company plants operating more than 80 per cent and the Gulf States Steel Company (independent) not going more than one-third capacity. The development in the Ensley-Fairfield section of the Birmingham district, Steel Corporation, is being pushed, which means steady work on the elevated railroad from steel works to the ore fields, an open-hearth mill with four furnaces and a sheet mill. Report now is that the Tennessee Company plans the erection during the next 12 months of a track-fastening plant. This means another outlet for steel. Before many years the situation in the steel industry will be similar to that in pig iron, with but a small percentage of the product manufactured here being shipped away in the crude form.

The Alabama Company has sold a large quantity of coal for future delivery. Considerable coke and a good start has been made on the probable make of iron. The new coal mines of this company are being pushed, a tiple being built as well as a washer. A new ore mine is being opened on Raccoon Mountain, in Etowah county. Future prospects are bright. Quarterly dividends will be paid July 1 on the first and second preferred stocks of the company. It has one furnace in blast and another in condition to be lighted over night.

The coal production in Alabama is on an average of 330,000 tons a week. All railroads which have been getting more or less fuel from this district have placed contracts for the next twelve months, in several instances the total supply being cut down. Reduced prices were also required by the railroads. There are bright expectations as to the coal industry and before the heated weather is over a turn for the better is anticipated. Official figures as to coal production in Alabama in 1923 showed an aggregate of 20,919,303 tons, which is a record. While there has been a steadily lowering of the output so far this year, there is chance yet to catch up with the aggregate of last year during 1924. The production in 1922 was 18,757,681. Some little coke is being exported by operators of this district through Pensacola, Mobile and New Orleans.

The coke market is holding up wonderfully, the production being steady and shipments equal to the production. By-product coke oven plants are losing no time and the furnace interests are requiring a steady supply. Alabama in 1923 produced 4,689,641 tons of coke, against 3,780,064 tons in 1922. The coke prices are steadily maintained, \$6 for foundry coke and \$5 for furnace coke.

The scrap iron and steel market is practically nil. Delivery is still noted on old contracts, some of the consumers asking that delivery be delayed some. No new business is being received and quotations are weak and uncertain. Heavy melting steel brings what the consumers are willing to pay for it.

Varied industries of the Birmingham district report a little activity, tank works shipping their products steadily, the welding plants being busy. Structural steel fabricating plants are also picking up some business, and there is not only steady operation but shipments promptly. R. I. Ingalls, president of the Ingalls Iron Works Company, one of the largest structural steel plants in the South, states that there is a brighter condition in his line and there are some healthy

specifications in sight which will probably be landed in this district.

Pig iron and iron and steel scrap quotations follow:

PIG IRON.

No. 2 foundry, 1.75 to 2.25 per cent silicon, f. o. b. furnaces, \$20.00 to \$21.00; No. 1 foundry, 2.25 to 2.75 per cent silicon, \$20.50 to \$21.50; iron of 2.75 to 3.25 per cent silicon, \$21.00 to \$22.00; iron of 3.25 to 3.75 per cent silicon, \$21.50 to \$22.50; iron of 3.75 to 4.25 per cent silicon, \$22.00 to \$23.00; charcoal iron, f. o. b. furnaces, \$31.00 to \$32.00.

OLD MATERIAL.

Old steel axles	\$17.00 to \$18.00
Old iron axles	20.00 to 20.50
Old steel rails	13.00 to 14.00
Heavy melting steel	13.00 to 14.00
No. 1 cast	17.50 to 18.00
Stove plate	14.00 to 15.00
No. 1 R. R. wrought	11.00 to 12.00
Old car wheels	15.00 to 16.00
Old tramcar wheels	16.00 to 17.00
Machine shop turnings	5.00 to 6.00
Cast iron borings	6.50 to 7.00
Cast iron borings (chem.)	15.00 to 16.00

A New Type of Pig Iron Furnace.

Birmingham, Ala., June 16.—[Special.]—The first run on the modified type of blast furnace being erected at Cave Spring, Ga., by the Southern Metallurgical Co., Inc., of which Y. A. Dyer is president, is scheduled for July 10 to 15, and the success of a new method of making pig iron will be tested. Since the first announcement of the patent obtained by Mr. Dyer interest has been manifested, and the result of the tests is being awaited with concern. The plant under construction is not of the permanent nature, but simply to show the principle of the method and at the same time produce under a different blowing system. The furnace being erected was designed by C. H. Gilmour, chief engineer of the company. Ore and other raw material will be obtained from the Birmingham district, ore deposits not being far from the scene of the activities.

"The principle of the modified type of blast furnace will revolutionize the manufacture of pig iron," said Mr. Dyer. "The tests which will be made between July 10 and 15 will demonstrate a new idea as the blowing and heating properties and other modifications of the present system of iron making. I will make a formal statement as to the plans and methods of iron manufacturing under the new arrangements. Many inquiries have been received as to the investigations. I feel confident that the tests will come up to expectations."

Horticultural Societies' Dates Adjusted.

For years the horticultural societies of the different states, in arranging the dates for their summer meetings, have consulted their own convenience and have not given a thought to the fact that there are many horticulturists and orchardists in other states who would probably attend if meeting dates did not conflict, says President Paul C. Stark of the American Pomological Society. This summer the society has arranged for co-operation of 17 states that have arranged their meetings two or three days apart, so there will be no conflicting dates and so one state meeting follows another.

Among the meetings scheduled are: July 14-15, Kentucky; July 29-30, Maryland; July 31-August 1, West Virginia; August 2, Virginia.

Working together in this way, the American Pomological Society and the combined societies of 17 states hope to make the summer of 1924 the greatest summer in the history of scientific orcharding in this country. Programs have been arranged for each meeting that will include speakers, nationally known, and in each state a tour will be arranged where outstanding orchards will be visited and conditions observed that should result in much good. Some of the states say that they expect to have 1000 or more fruit growers taking part.

RAILROADS

CLINCHFIELD RAILWAY LEASE AUTHORIZED.

Atlantic Coast Line and Louisville & Nashville Railroads Can Now Fulfil Their Plans.

Lease of the Carolina, Clinchfield & Ohio Railway by the Atlantic Coast Line and the Louisville & Nashville Railroads was authorized June 12 by the Interstate Commerce Commission. This case has been pending for more than a year, as it was on May 15, 1923, at the annual meeting of the Atlantic Coast Line that announcement was made of the proposed lease. Following that announcement opposition was voiced to the plan by other railroads and also by some business bodies, although sundry others were heartily for it, and several hearings were held at points throughout the territory affected as well as at Washington in order to hear all sides as to the probable effect of a lease. A decision has long been awaited.

By the decision of the Commission the lessees are empowered to pay as rental for property rights and franchises of the Clinchfield line dividends upon \$25,000,000 of common stock, interest upon bonds and equipment obligations outstanding and amounting to \$28,292,000 and on \$1,500,000 of 5 per cent realty and collateral trust convertible notes of the Helston Corporation.

The approval of the lease proposition will, it is expected, soon release the plans of the Atlantic Coast Line to improve its Charleston & Western Carolina Railway division from Spartanburg, where connection is made with the Clinchfield to Port Royal, S. C., about 250 miles, via Augusta, Ga., and when this building up of the line to a high standard is accomplished heavy coal trains can be run through to the seacoast without delay. The Coast Line will obtain a low cost fuel supply as a result. The improvements will consist of reducing grades and curves, as well as in laying heavier track. Eventually a new connection will probably be made through the mountains of Virginia and Kentucky to link up the Atlantic Coast Line and the Louisville & Nashville systems by building a short line of railroad from the Clinchfield to the Louisville & Nashville, which at one point is only about 27 miles away. An indirect connection in that territory already exists.

The acquisition of the Clinchfield by these two big systems will make up a total of more than 10,000 miles of lines under one control, as the Coast Line controls the Louisville & Nashville by stock ownership and they jointly will control the Clinchfield by lease. The Clinchfield Railway is 277 miles long from Elkhorn City, Ky., where it connects with the Chesapeake & Ohio Railway southward to Spartanburg, S. C., where it reaches the Charleston & Western Carolina Railway of the Coast Line system.

According to a report from New York city the Atlantic Coast Line is yet undecided as to its action with respect to a lease of the Clinchfield Railway. Under the decision of the Interstate Commerce Commission certain conditions have to be observed. It is conditioned, for instance, that so far as it lies in the power of the lessees existing routes and channels of trade and commerce heretofore established by other railroads in connection with the Clinchfield shall be preserved, existing gateways for interchange of traffic with them shall be maintained and the present neutrality of handling traffic by the Clinchfield shall be continued to permit equal opportunity for service without discrimination against such competitive traffic. It is also conditioned that the lessees shall permit the Clinchfield Railway to be used as a link for through traffic via existing gateways, or such gateways as may hereafter be established by means of the connecting lines which the Louisville & Nashville Railroad Co. proposes to build, equally available to such other carriers now connecting or

which may hereafter connect with the Clinchfield and its subsidiaries, as may desire to participate in through routes and joint rates. The purpose, it is stated, is that the Clinchfield line shall be maintained as an open route equally available to all carriers connecting with it for traffic north and west and also southeast.

The commission is also quoted as saying that control of the Clinchfield by the two applicants when the proposed connections are made, especially that with the Harlan County (Ky.) branch, should result in added competition among the coal operators serving Carolina markets, should give Carolina territory an additional source of fuel in times of emergency and should result in added competition for traffic between the western portion of the Carolinas and Kentucky and points beyond the Ohio River west of the Cincinnati-Benton Harbor line. Without provisions for use of the Clinchfield by other carriers as a link in through routes the proposed control would doubtless result in placing the Seaboard Air Line and some other carriers at a disadvantage as compared with the Southern Railway and the Atlantic Coast Line. The Seaboard's "independence and the support of its competitive position," it is remarked, "constitute an important factor in the public interest."

Southern Pacific Gets El Paso & Southwestern.

Announcement has been made in New York that the El Paso & Southwestern Railway will be taken into the Southern Pacific System. The main line of the road that is to be acquired reaches from Dawson, N. M., via Tucumcari, N. M., and El Paso, Tex., to Tucson, Ariz., about 800 miles, and there are several branches, making a total length of 1355 miles. T. M. Schumacher of New York is president, and with Julius Kruttschnitt, chairman of the Southern Pacific, made the announcement, according to press reports from New York.

A formal contract is being worked out for the transfer of the property and the terms will not be made public until it is signed, but it is understood that securities of the Southern Pacific System will be exchanged for the stock of the El Paso & Southwestern, which is controlled by the Phelps-Dodge mining interests. The outstanding stock of the road is now \$25,000,000. It connects at Tucumcari with the Rock Island System and is used by the latter as a connecting link to the Southern Pacific lines for through service to and from California points.

As the El Paso & Southwestern Railroad parallels the Southern Pacific between El Paso and Tucson, 340 miles, it will give the Southern Pacific a second track between those cities, making it practically a double-tracked road. Application will be duly made to the Interstate Commerce Commission to approve the merger.

Shippers Advisory Board Meeting.

The report of the proceedings of the third regular meeting of the Atlantic States Shippers' Advisory Board, held in New York May 7 and 8, has been published in pamphlet form. W. B. Einstein, 30 Vesey street, New York, is secretary of the Board, the purpose of which is stated to be "to form a common meeting ground between shippers and railroads for the better understanding of transportation questions," etc. Copies of the report can be obtained from the secretary.

New Equipment.

Among recent inquiries for railroad equipment reported in the market is one from the Missouri Pacific Railroad for 1500 refrigerator cars and 1000 automobile box cars of 40 tons capacity. An inquiry from the Louisiana & Arkansas Railway for a combination baggage and mail car is also noted.

Shippers' Advisory Board Working With Railroads for Mutual Benefit.

Atlanta, Ga., June 10—[Special.]—That everything is moving smoothly and that there is no danger of a car shortage in the South this year was the consensus of opinion at the regular annual meeting of the Southeast Shippers' Regional Advisory Board, held here today. A. G. T. Moore of New Orleans, traffic manager for the Southern Pine Association and chairman of the Southeast Advisory Board, presided over the meeting, and Judge James A. Emory of Washington, D. C., was the principal speaker.

"Business men," Judge Emory told the shippers, "should form the habit of thinking out their difficulties and reconciling them at a council table, rather than fighting them out in the legislature or adjusting them through a board. The best feature about your organization lies in the fact that it is trying to transform the relationship between the carrier and shipper from an issue of politics into a practical problem in local economics."

Reports from sixteen commodities committees showed that business in the various states was very good, with prospects bright for the future. An increase of 10 per cent in the movement of fertilizer was predicted by T. A. Bosley of Richmond, Va., chairman of the fertilizer committee.

The report of the perishable fruits committee showed a steady increase in this movement, shipments of 55,000 cars of citrus fruit having been made from Florida, with a prospective shipment of 10,000 cars of peaches from Georgia during the year. No shortage of refrigeration cars for this movement was anticipated.

The board created two new committees—a committee on tobacco, with J. B. Call of Richmond, Va., as chairman, and a textile committee, with G. W. Forrester of the North Carolina Manufacturers' Association as chairman. A. S. Lucas, who has been secretary of the board since its creation one year ago, resigned to accept the position of general agent for the Mississippi Central and Louisiana and Arkansas Railroads, and Thomas J. Burke of Charleston, S. C., commissioner of the Charleston Traffic Bureau, was elected secretary in his place.

The meeting was attended by shippers from all of the Southeastern states.

Missouri Pacific's New Plans to Develop a 15,000-Mile System.

According to a statement made last week by railroad officers before the traffic and transportation committee of the New Orleans Association of Commerce, the purpose back of the application of the Missouri Pacific Railroad for authority to buy control of the New Orleans, Texas & Mexico Railway is to organize those roads, together with the Texas & Pacific Railway, the International & Great Northern and one or two other lines, into a group which will have about 15,000 miles of lines, and, if the application is approved by the Interstate Commerce Commission, the Missouri Pacific Railroad will carry out plans to increase its relations with and to enlarge its facilities at New Orleans, making the city its chief port.

Small Electric Railway Sold.

The Towson & Cockeysville Electric Railway, a line operated with a storage battery system between Towson and Timonium, Md., 3 miles, and which has been abandoned, has been bought by the Boston Iron & Metal Co. of Baltimore for \$9710. It will probably be torn up and the materials disposed of by the new owners at private sale. Autobus competition between Towson and Cockeysville, Md., via Timonium and other points put the road out of business.

Road to Develop Rich Farm Lands.

Brownsville, Texas—One of the most historic military posts on the Rio Grande border is soon to be given a railroad connection if the application made to the Interstate Commerce Commission by the Rio Grande City Railroad Company is granted. It requests authority to construct a line from Sam Fordyce to Fort Ringgold, 28 miles. The proposed road will connect with the Gulf Coast Lines at Sam Fordyce. In early times Fort Ringgold played a very important part in coping with lawless bands from Mexico. At this post Robert E. Lee, U. S. Grant, Jefferson Davis and other men who afterward became famous were stationed. For many years the border post was abandoned, but when the World War began it again became active. The especial object of the proposed railroad is to open for agricultural development a big area of rich valley land which may be irrigated and made to produce various crops.

Proposed Railroad Deal Authorized.

The New Orleans, Texas & Mexico Railway Co. has been authorized by the Interstate Commerce Commission to acquire control of the International & Great Northern Railroad, application for which was filed several months ago. This decision has been made conditionally, the Commission having in view the application of the Missouri Pacific Railroad Co. for authority to acquire control of the New Orleans, Texas & Mexico Railway Co. by purchase of its capital stock, and the final argument in the latter case has not yet been heard. If it should be found that it is not in the public interest for the stock of the International & Great Northern to be acquired as proposed, that deal is to be off and the stock is to be disposed of by the applicants in accordance with a plan outlined by the Commission to insure its purchase by responsible bankers under an agreement to be effective in such a contingency.

A Short Line Changes Hands.

According to a report from Tuskegee, Ala., W. G. Mitchell of Atlanta has taken over the Tuskegee Railroad, 5 miles from Chehaw, Ala., to Tuskegee. Connection is made at Chehaw with the Western Railroad of Alabama. The spur running from Chehaw to the Government hospital was also taken over, it is stated. Mr. Mitchell, who is now president and manager of the Tuskegee Railroad, will, it is stated, build 20 miles of logging railroad to develop timber lands east and southeast of Tuskegee. W. H. Campbell was formerly president and Wm. Varner secretary of the road.

A Missouri Line to Be Sold.

The Cape Girardeau Northern Railway, Clarence L. Grant, receiver, Jackson, Mo., is to be sold at auction on July 2 by order of the court. The line is 93 miles long from Anzell via Cape Girardeau, Jackson and other points to Farmington, Mo. There is a branch 11 miles long to Chester, Mo., which makes a total of 104 miles of line. Operation has, it is stated, been abandoned on all excepting between Cape Girardeau and Jackson. The upset price is \$750,000.

Agents Appointed.

The Seaboard Air Line Railway Company has announced that on June 1, P. E. Shepard was appointed commercial agent, and C. G. Ward, city ticket agent at Tallahassee, Fla.

Official Change.

N. S. Meldrum has resigned as chairman of the board of the Texas & Pacific Railway Co. and William H. Williams has been elected to succeed him in that position.

GOOD ROADS AND STREETS

\$75,000,000 of New Road Funds.

Provision for Federal aid for the fiscal year 1925, which begins on July 1, is made in the Agricultural appropriation bill signed by the President on June 5. The bill authorizes the Secretary of Agriculture to apportion to the state immediately the \$75,000,000 authorized by the Postoffice appropriation law of June 19, 1922, and appropriates \$13,000,000 to be immediately available, the remainder to be made available in later appropriations.

In the apportionment of Federal-aid funds made by the Secretary the amounts received by the various states are as follows:

States	Amount	States	Amount
Alabama	\$1,542,052.56	Nebraska	\$1,577,155.34
Arizona	1,053,008.56	Nevada	947,623.25
Arkansas	1,258,857.07	New Hampshire..	365,625.01
California	2,464,990.78	New Jersey	936,413.03
Colorado	1,361,492.06	New Mexico	1,185,528.88
Connecticut	475,518.91	New York	3,663,105.86
Delaware	365,625.17	North Carolina..	1,697,246.16
Florida	887,336.52	North Dakota....	1,178,708.13
Georgia	1,983,022.99	Ohio	2,795,804.69
Hawaii	365,625.00	Oklahoma	1,753,189.71
Idaho	936,698.01	Oregon	1,176,830.15
Illinois	3,203,867.99	Pennsylvania....	3,365,956.21
Indiana	1,939,903.32	Rhode Island....	365,624.87
Iowa	2,078,248.33	South Carolina..	1,054,028.17
Kansas	2,081,230.04	South Dakota....	1,209,144.18
Kentucky	1,411,584.45	Tennessee	1,628,740.97
Louisiana	995,301.59	Texas	4,410,169.76
Maine	686,453.36	Utah	847,741.90
Maryland	635,945.01	Vermont	365,625.27
Massachusetts ..	1,089,806.22	Virginia	1,448,562.55
Michigan	2,226,824.73	Washington	1,113,308.17
Minnesota	2,120,906.56	West Virginia....	798,275.47
Mississippi	1,294,371.65	Wisconsin	1,877,600.32
Missouri	2,423,485.75	Wyoming	936,372.13
Montana	1,544,483.19		

Estimates on Missouri Roads and Bridges.

Jefferson City, Mo.—Construction estimates have been invited until June 24 by the Missouri State Highway Department, with the offices in this city, for building about 110 miles of road in various parts of the state, together with a number of bridge projects. Road construction will cover 78,958 miles of earth grade; 23,345 miles of gravel and 4,938 miles of concrete, and 3,521 miles having 9 feet of concrete and 7 feet of gravel.

Bridges will include one in St. Francois county with a 150-foot steel truss span and five 40-foot reinforced concrete deck girder spans, one in Worth county to have an 80-foot steel truss span and four 40-foot I beam spans, one in Jefferson county with a 100-foot steel truss span and four 35-foot reinforced concrete deck girder spans, one in Cape Girardeau county with a 40-foot I-beam span, one in St. Francois county to have a 100-foot steel truss span and eight 40-foot reinforced concrete deck girder spans, one in Cape Girardeau county with 50-foot I-beam span, one in De Kalb county to have a 60-foot steel truss span and five 20-foot reinforced concrete deck girder spans, and one in Butler county to have a 70-foot steel truss span and seven 20-foot reinforced concrete slab spans.

There also will be fourteen concrete bridges ranging in length from three spans of 40 feet to a single 10-foot span.

Bids for Paving and Curb.

Sarasota, Fla.—Sealed bids will be received until June 23 by the city council of Sarasota for approximately 36,175 square yards of asphalt block paving and repaving, 16,750 lineal feet of new concrete curb and the removal of 14,680 lineal feet of old curb. The entire work will be awarded to the successful bidder, but separate contracts will be awarded on each street and alley. Forms of proposals, plans and specifications, with necessary information, may be secured from the office of J. R. Brumby, Jr. commissioner of public works.

Asks Bids on 25 Miles of Road.

Columbia, S. C.—Bids have been asked by the State Highway Department of South Carolina for the construction of more than 25 miles of road, with a number of bridges. Until June 24 bids will be received at the office of the County Highway Commission at Edgefield, S. C., for building 5.191 miles of sand-clay road, for which plans and specifications are on file at the office of the state highway engineer, Columbia.

Bids will be received until June 25 at McWilliams store, Yemassee, S. C., for the construction of two creosoted timber bridges over the Combahee River, between Colleton and Hampton counties, one structure to consist of forty-three 14-foot spans and the other of seven 14-foot spans. There will also be 2.611 miles of approaches. Plans, specifications and proposal forms are on file at the office of W. C. Cathey, division engineer, Orangeburg, S. C., and at the office of the state highway engineer.

Proposals will be received until June 27 at the office of the Greenwood County Highway Commission, Greenwood, S. C., for the construction of 7.81 miles of highway, including a 220-foot reinforced concrete bridge, for which plans, specifications and proposal forms are on file at the office of E. D. Sloan, division engineer, Greenville, S. C., and at the office of the state highway engineer.

Bids will be received until June 28 at the office of the Laurens Highway Commission, Laurens, S. C., for the construction of 10.196 miles of road in Laurens county, including a reinforced concrete bridge of 110 feet. Plans, specifications and proposal forms for this work are also on file at the office of Mr. Sloan and the office of the state highway engineer.

Louisiana Motor League Suggests Bond Issue of \$15,000,000.

New Orleans, La.—At a recent meeting of the Motor League of Louisiana, with main offices in this city, the league went on record as favoring a bond issue of \$15,000,000 for the construction of a causeway across Lake Ponchartrain to cost from \$10,000,000 to \$12,000,000, and for building a number of bridges over rivers in the state, which it is said cannot be constructed at this time by the state highway commission because of lack of funds.

The league suggests that an amendment to the state Constitution be submitted to a vote in the November elections authorizing a bond issue to build the proposed bridges and causeway and to link up the state highway system.

New Paving for Huntsville, Tex.

Huntsville, Tex.—Proposals will be received until June 26 by the mayor and city council of Huntsville for the construction of approximately 38,000 square yards of pavement and 21,330 lineal feet of combined curb and gutter, together with the construction of necessary drainage structures and changes and additions to water and sewer mains. Instructions to bidders, proposal forms and plans and specifications are on file at the office of Baker & Von Zuben, engineers, Fort Worth, and at the office of H. O. Leigh, city secretary.

Melbourne Votes Improvement Bonds.

Melbourne, Fla.—Bond issues to a total of \$165,000 have been voted by the city of Melbourne, Joseph Masch, clerk, for a number of improvements. The bonds will be dated as of July 1, carrying an interest rate of 6 per cent, and will mature in 30 years. The following issues were approved: For water, \$75,000; sewers, \$30,000; public buildings, \$15,000; city park \$35,000, and paving, \$10,000.

Awards Road and Bridge Contracts.

Atlanta, Ga.—Contracts to be awarded by the Georgia Highway Department on July 2 will include more than 70 miles of road and a number of bridges, among which will be one of 2375 feet in length. The following work is involved: Four sections of the Savannah-Darien road, 47.5 miles, grading only; hard surfacing 4.6 miles of the Fort Benning road in Muscogee county; hard surfacing 9.1 miles of the Waycross-Brunswick road in Brantley county; hard surfacing 2.6 miles of the Cobb-Roswell road; topsoil 3.9 miles in Whitfield county; build several miles of concrete in the town of Camilla and on the Camilla-Pelham road, and concrete surface on the Clayton-Atlanta-Jonesboro-Griffin road.

Bridges to be constructed will include a creosoted timber structure over the Ogeechee River, .8 miles in length, with approaches; 650-foot concrete bridge over the Chattahoochee River at Fort Gaines, with approach fills on the Georgia-Alabama sides and two large culverts; Lumber City project to consist of bridge, 2375 feet, with a 210-foot draw span, two 102-foot 3-inch steel trusses with 2420 lineal feet of creosoted wood trestle approaches, also one 162-foot and one 144-foot creosoted timber bridges. There will also be 2.3 miles of road to be graded and surfaced with gravel, and concrete culverts constructed.

Bids on Highways and Bridges.

Key West, Fla.—Bids will be received until July 7 by the Monroe County Board of Commissioners at its office in this city for the construction of a 16-foot highway, 4.48 miles, with necessary trestles, extending from the county road on Key Largo to a point midway the water opening between Barnes Point and a point near Little Card Sound on the mainland of Florida, and also from the eastern end of Stock Island to Traverse station No. 68 on Saddle Bunches, together with necessary trestles. The road will consist of a stone surface oiled, on a subgrade of suitable material.

The commissioners will also receive bids until the same date for the construction of a steel drawbridge, piers, abutments, operating machinery, fender system and appurtenances to be erected over Barnes Sound between Key Largo and the mainland.

Plans, specifications and information may be obtained from the clerk of the Circuit Court at Key West.

Tennessee Opens Bids on Roads.

Nashville, Tenn.—Bids have been opened by the state road commission here for the construction and improvement of more than 58 miles of road and the erection of four bridges, the lowest estimates reaching a total of more than \$1,000,000. Included in the work will be 35.5 miles of grading and drainage to cost \$582,921 and 11.2 miles of bituminous macadam construction to cost \$302,146.

There will be three-fourths of a mile of concrete to cost \$22,193; eight-tenths of a mile of rock asphalt, \$18,200, and nine-tenths of a mile of grading, draining and rock construction to cost \$30,034. The lowest bids for cleaning and applying cold tar surface treatment on 9.1 miles of road totaled \$9580, and for the construction of two bridges in Randolph county and one each in Berkeley and Braxton counties, \$48,207.

Votes \$630,000 Road Bonds.

Clearwater, Fla.—A bond issue of \$630,000 has been voted in the southern part of Pinellas county for the construction of roads in that territory. Highways are to be paved with asphalt blocks on a rock foundation and it is thought that from five to ten miles may be built annually. At the regular meeting of the county commission in July a road district, to be known as No. 3, will be created to carry out the program.

Oklahoma Road Contracts Total Over \$1,000,000.

Oklahoma City, Okla.—Contracts have been awarded by the State Highway Commission here for the construction of more than 41 miles of road to cost upward of \$1,000,000. Gravel predominates in construction, for which awards were made, the total being 26.83 miles to cost \$513,736. This includes two sections in Le Flore county of 14.3 miles to cost \$226,577, and another section on the same project of 4.4 miles over Winding Stair Mountain to cost \$160,855. Plans have been made to secure a 200-foot right of way for this road and make a public park on each side of it.

In addition to gravel roads, there will also be 11.46 miles of concrete to cost \$271,966, and three miles of brick paving to cost \$110,409.

Louisiana Asks Road Bids.

Baton Rouge, La.—Sealed bids will be received until June 24 by the Louisiana Highway Commission for the construction of 3.91 miles of road in Lafayette parish, on the Lafayette-Opelousas highway, and until the same date for furnishing gravel for this work. The commission will receive bids until July 1 for the construction of 10.80 miles in Vermilion parish, on the Abbeville-Lafayette highway, work to consist of grading and drainage construction for the entire road, and gravel surfacing for seven miles of it. Bids are also to be received at the same time to furnish gravel.

Plans and specifications are on file at the office of the commission. J. M. Fourmy is the state highway engineer.

Virginia Asks Bids on 28 Miles.

Richmond, Va.—Sealed bids will be received by the State Highway Commission at its office in this city until June 26 for the construction of more than 28 miles of road. Work will include 13.967 miles of bituminous macadam, 9.835 miles of concrete, 2.861 miles of topsoil and 1.6 miles of gravel.

Plans and specifications are on file at the offices of the commission and district engineers. H. C. Shirley is chairman and C. S. Mullen is chief engineer of the State Highway Commission.

Notes on Good Roads Construction.

Contracts have been awarded by the Raleigh County Court, Beckley, W. Va., for road construction to cost nearly \$300,000.

A precinct bond issue for \$375,000 has been voted in the Austwell section of Refugio county, Texas, for the construction of roads.

Stone county, Mississippi, has voted \$100,000 of bonds, to be supplemented by Federal funds, for the construction of a road east and west through the county. It will be a Federal highway and maintained by the state highway commission.

The Commissioners' Court, Waxahachie, Tex., has voted to issue \$300,000 additional bonds for improvement of roads in district No. 1, \$120,000 having previously been issued. At an election some time ago the district authorized \$750,000 of road bonds.

Upshur county, Ernest Phillips, clerk, Buckhannon, W. Va., has awarded contract at \$12,000 to the Elkins Construction Co. of Elkins, W. Va., for grading and draining 6 miles of the Cleveland-Buckhannon turnpike. F. O. Leonard of Buckhannon is the engineer in charge.

Paving commissioners of improvement district No. 1 Rogers, Ark., have awarded contract at \$100,853 to the Kaw Paving Co., Topeka, Kans., for street paving. Construction will consist of 6-inch base, one inch of sand and a layer of vitrified brick, over which there will be a one-inch asphalt covering.

TEXTILE

\$400,000 Weave Mill for Johnson City.

Johnson City, Tenn.—A new weave mill, to represent an investment of about \$400,000, will be erected here by the Gloria Textile Corporation, with offices at 105 Madison avenue, New York. John S. Boyd of the John S. Boyd Co., Williamstown, Mass., is president of the company and Albert Stirn of L. & E. Stirn of New York is secretary-treasurer. It is planned to erect and put in operation a mill for making women's dress goods, such as corduroys, fustians and velvets. A spinning mill will be erected later and following that a finishing plant.

Plans and specifications for the weave mills are being prepared by Lockwood, Greene & Co., engineers, of Atlanta and Boston, details being handled by J. Norman Pease, manager of the Charlotte office of this firm. The mill is expected to be ready for operation by October 1.

Contract for Fort Worth Mill.

Fort Worth, Tex.—Contract has been awarded to Thomas S. Byrne of this city by the Worth Mills, Lloyd M. McKee, president, for the erection of their proposed mill buildings here. They will include a main structure, of brick and steel, 218 by 145 feet, three stories, with 16-foot ceilings; picker houses and store-houses. The cost will be about \$200,000.

The company will install 22,000 spindles for the production of cord tire fabric, machinery to be shipped from the Fairhaven mills at New Bedford, Mass. Charles T. Main of Boston, engineer, will maintain a local office to be in charge of Mason T. Whiting. The Harding-Tilton Co. of Boston will act as selling agents.

New Dye Plant Completed.

Graniteville, S. C.—The new dye plant of the Graniteville Manufacturing Co. here has been completed, giving this company one of the largest exclusive khaki sulphur dyeing plants in the world. The plant adjoins the spinning and weaving mills and is housed in a new building 371 by 124 feet. It has a production capacity of 500,000 yards of khaki per week. J. E. Sirrine & Co. of Greenville, S. C., are the engineers.

Incidentally, it is stated that Harding, Tilton & Co. of New York, selling agents for the Graniteville Manufacturing Co., have perfected a process which they believe will greatly minimize the possibilities of variation of shades in dyeing.

Plan \$500,000 Expansion of Textile School.

Raleigh, N. C.—Tentative plans are being considered for the \$500,000 enlargement of the textile department of the North Carolina State College of Agriculture and Engineering in this city. It is stated that the proposed expansion will convert the textile department into a textile school, the program including an addition to the textile building and the installation of modern machinery. Robert M. Page of Southern Pines is chairman of the building committee.

Makes New Cotton Gin and Press.

Birmingham, Ala., June 7—[Special.]—The Birmingham Machine & Foundry Co. has shipped to Corpus Christi, Tex., a cotton gin and press which, it is said, will turn out a smaller round bale than has been possible heretofore. It will be set up in Texas and given a trial and if successful upwards of 29 presses will be manufactured at once. It is claimed that the press will eliminate the use of cotton ties and will also press the bales considerably.

Activity in Spring Clip Wool.

Del Rio, Tex., June 13.—[Special.]—Approximately 3,000,000 pounds of wool of the spring clip are in storage here. Of this amount the West Texas Wool & Mohair Company has 1,250,000 pounds in storage. Sealed bids for the sale of about 450,000 pounds of this wool were received and opened a few days ago in the presence of a large number of buyers from Boston, Mass., railroad and steamship traffic officials and wool growers of this section. J. B. Moore, president of the West Texas Wool & Mohair Company, announced that all bids were rejected because prices offered were unsatisfactory. New bids will be received soon.

At Mertzon the West Texas Wool & Mohair Company has just sold 375,000 pounds of spring clip wool on sealed bids. One choice lot brought 50 cents a pound and the remainder 45½ cents a pound. Bids on 250,000 pounds were rejected.

The Shreiner Wool & Mohair Company of Kerrville has just sold 600,000 pounds of spring clip wool for 48 cents a pound.

Contract for 50 Dwellings at Goldville.

Goldville, S. C.—Contract has been awarded to W. M. Welch, Inc., Greenville, S. C., for the erection of 50 operatives' dwellings for the Banna Cotton Mills here. The cost of the houses will exceed \$80,000. These mills were recently purchased by the Oswego Shade Cloth Co. of Oswego, N. Y., and plans are now being made by Lockwood, Greene & Co., engineers, of Atlanta and Boston, for a weave building to house approximately 100 wide looms for the production of Oswego shade cloth.

Yadkin Cotton Mills, Incorporated.

North Wilkesboro, N. C.—Papers of incorporation have been issued to the Yadkin Cotton Mills, Inc., of North Wilkesboro with an authorized capital stock of \$200,000. Among subscribers to the capital stock are Kate C. Grier, R. D. Grier and W. C. Grier, all of North Wilkesboro.

Textile Mill Notes.

Plans are being prepared by J. E. Sirrine & Co., Greenville, S. C., for repairs estimated to cost \$50,000 for the Toxaway Mills at Anderson, S. C., recently damaged by storm.

The Jordan Manufacturing Co. of Monticello, Georgia, has purchased a site at Johnson City, Tenn., and will construct at once a plant for the manufacture of stock for bobbins. This company also operates at Toecane, N. C.

Two Mammoth Water Storage Tanks for Miami.

The Pittsburgh-Des Moines Steel Company has recently closed a contract to furnish and erect two huge water storage tanks, each of 2,500,000 gallons capacity, for the city of Miami, Fla. I. A. Bickelhaupt, district manager for the company at Richmond, Va., says that these tanks will be 146 feet in diameter and 20 feet high and that they will be, as far as the company knows, the largest water storage tanks in the country.

New Subdivision at Virginia Beach.

Virginia Beach, Va.—A new development, to be known as Shadow Lawn Heights, has been undertaken here by the Virginia-Florida Development Corporation, of which B. L. Hamner of Tampa, Fla., is president, and D. J. Kennedy, secretary and treasurer, the latter located at present at Virginia Beach. Vance W. Helm of Miami, Fla., is also interested in the enterprise.

The company has acquired 147 acres from the Virginia Beach Corporation and has already begun the construction of streets.

LUMBER AND BUILDING MATERIALS

Lumber Shipments and New Business Gain.

Washington, June 12—The national lumber movement for the week ending June 7, as indicated by reports from the National Lumber Manufacturers' Association here, from most of the larger commercial lumber mills of the country, presents the anomaly of the smallest number of reporting mills in more than a year, showing a substantial increase in the total volume of new business and also of shipments over the preceding week, with production practically the same. Moreover, new business for the 345 comparably reporting mills is a little more than it was for 383 mills in the corresponding week of 1923, though production decreased markedly and shipments somewhat.

The unfilled orders of 246 Southern Pine and West Coast mills were 437,952,827 feet, as against 474,525,601 for 250 mills the week before. Separately, 119 West Coast mills had unfilled orders of 252,667,283 feet, as against 276,852,785 for 123 mills a week earlier.

Altogether, the 345 comparably reporting mills had shipments of 99 per cent and orders of 83 per cent of actual production. For the Southern Pine mills these percentages were, respectively, 96 and 79; and for the West Coast mills 117 and 99. Of the comparably reporting mills, 323 (having a normal production for the week of 213,446,022 feet) reported production 98 per cent of normal, shipments 99 per cent, and orders 83 per cent thereof.

The following table compares the national lumber movement as reflected by the reporting mills of seven regional associations for the three weeks indicated:

Mills	Past Week 345	Corresponding Week 1923 383	Preceding Week 1924 (Revised) 360
Production	224,722,878	255,041,535	225,751,327
Shipments	221,981,571	231,103,586	206,878,584
Orders	185,548,287	182,347,245	177,702,933

The following figures compare the reported lumber movement for the first 23 weeks of 1924 with the same period of 1923:

	Production	Shipments	Orders
1924	5,436,630,706	5,381,171,684	5,023,728,823
1923	5,352,037,896	5,777,751,551	5,504,900,770
1924 Increase	84,592,810		
1924 Decrease		396,579,867	481,171,947

The mills of the California White and Sugar Pine Association

make weekly reports, but they are not comparable in respect to orders with those of other mills. Consequently the former are not represented in any of the foregoing figures. Fourteen of these mills reported a cut of 13,860,000 feet last week, shipments 9,159,000, and orders 11,193,000. The reported cut represents 38 per cent of the total of the California Pine region.

The West Coast Lumbermen's Association wires from Seattle that new business for the 119 mills reporting for the week ending June 7 was 1 per cent below production, and shipments were 19 per cent above new business.

The Southern Pine Association wires from New Orleans that of the 127 mills reporting, shipments were 3.54 per cent below production, current orders 20.91 per cent below production, and 18 per cent below shipments. Of the 79 mills reporting running time, 61 were on full time, including 9 reporting overtime, 3 were shut down, and the rest operated from one to five days.

The Western Pine Manufacturers' Association of Portland, Ore., reports its business as being practically the same in volume of production and orders and considerably larger in shipments than for the previous week.

The California Redwood Association of San Francisco reports a considerable decrease in production and a slight falling off in shipments and new business.

The North Carolina Pine Association of Norfolk, Va. (with 11 fewer mills reporting than for the preceding week), reports a marked decrease in production and shipments and a lesser decrease in new business.

The Northern Hemlock and Hardwood Association of Oshkosh, Wis., reports a decided increase in production and new business, with shipments about the same this week as compared with last week.

The Northern Pine Manufacturers' Association of Minneapolis reports a considerable gain in production, with a shipments about the same, and a slight increase in new business.

The United States Veterans' Bureau, Washington, D. C., will receive bids until June 24 for alterations and addition to mess hall at Hospital No. 74 at Gulfport, Miss., and for the construction of roads and walks.

LUMBER MOVEMENT FOR TWENTY-THREE WEEKS, AND FOR WEEK ENDING JUNE 7.

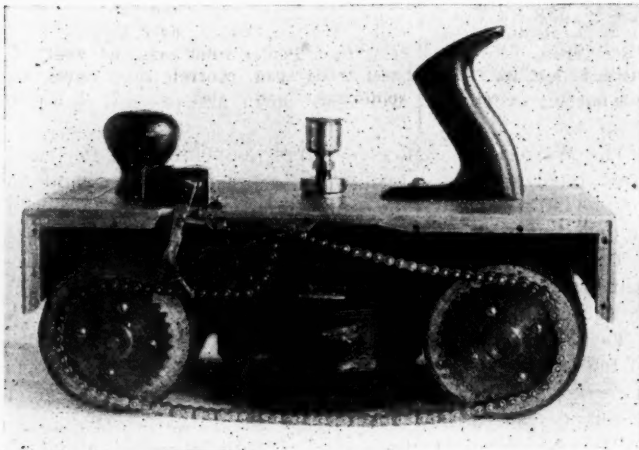
	Production		Shipments		Orders	
	1924	1923	1924	1923	1924	1923
Southern Pine Association:						
Total	1,812,208,014	1,778,016,930	1,788,065,125	1,905,070,372	1,691,469,116	1,820,081,098
Week (127 mills)	71,399,944	72,476,548	68,869,056	65,074,555	56,471,784	50,163,855
West Coast Lumbermen's Association:						
Total	2,253,230,769	2,259,619,335	2,337,844,516	2,511,947,306	2,136,769,348	2,408,423,065
Week (119 mills)	91,417,632	110,953,207	107,198,600	110,941,585	90,412,302	97,467,021
Western Pine Manufacturers' Ass'n:						
Total	628,475,000	565,880,000	586,267,000	608,299,000	567,075,000	571,975,000
Week (37 mills)	33,683,000	33,723,000	24,572,000	24,268,000	23,550,000	15,850,000
California Redwood Association:						
Total	205,486,000	196,384,000	169,945,000	209,961,000	163,649,000	223,940,000
Week (11 mills)	6,925,000	11,496,000	6,474,000	12,565,000	3,571,000	7,023,000
North Carolina Pine Association:						
Total	182,860,073	209,816,331	182,758,522	222,869,473	151,310,359	185,365,707
Week (29 mills)	5,247,452	8,057,180	4,735,594	6,102,546	3,059,201	3,684,369
Northern Hemlock and Hardwood:						
(Softwood) Total	52,761,000	56,651,000	53,244,000	61,167,000	44,156,000	58,110,000
Week (13 mills)	2,302,000	3,009,000	1,682,000	2,331,000	1,535,000	1,497,000
Northern Pine Manufacturers' Ass'n:						
Total	190,515,850	206,715,300	188,630,521	191,548,400	199,412,000	173,639,900
Week (9 mills)	11,138,850	13,595,600	6,854,321	8,014,900	5,367,000	5,585,000
General Total for 23 weeks						
(Softwood)	5,325,536,706	5,273,082,896	5,306,754,684	5,710,862,551	4,953,840,823	5,441,534,770
Northern Hemlock and Hardwood:						
(Hardwood) (23 weeks)	111,094,000	78,955,000	74,417,000	66,889,000	69,888,000	63,366,000
California White and Sugar Pine:						
(23 weeks)	291,357,000		321,032,000			
General Total for Week	224,722,878	253,310,535	221,981,571	229,297,586	185,458,287	181,270,245

California White and Sugar Pine reports not included in totals, because "order" reports not comparable.

MECHANICAL

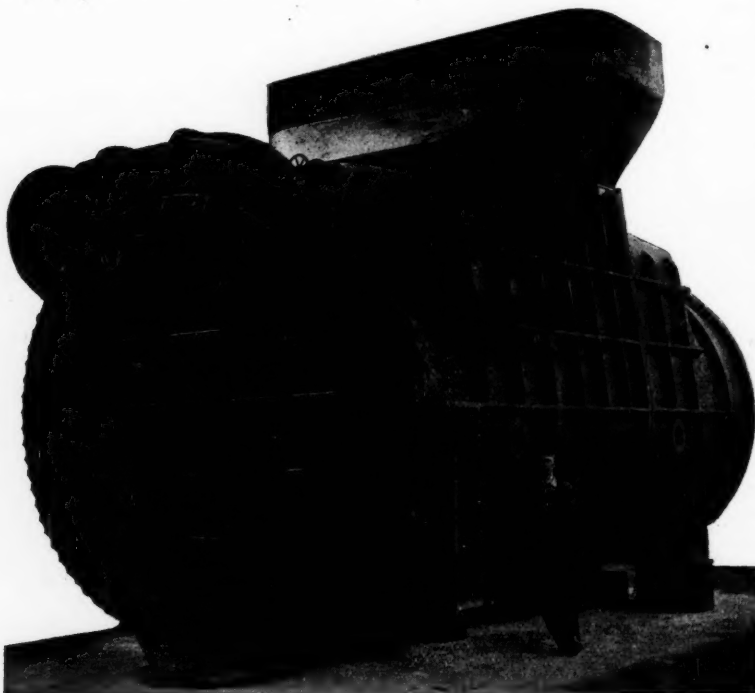
A Unique Stenciling Machine.

The Inglesby "Planemaker," two illustrations of which are given herewith, is a small hand-operated stenciling machine for marking packages, boxes, cartons, cases, bales, bags, lumber, etc., for shipment or otherwise. It was invented and patented by John W. Inglesby of Norfolk, Va., and is now being manufactured commercially by the Moon Engineering Co., 533 Front street, in that city. It is fourteen inches long, seven inches wide, four inches deep, and it weighs less than ten pounds in working order with ink container charged.



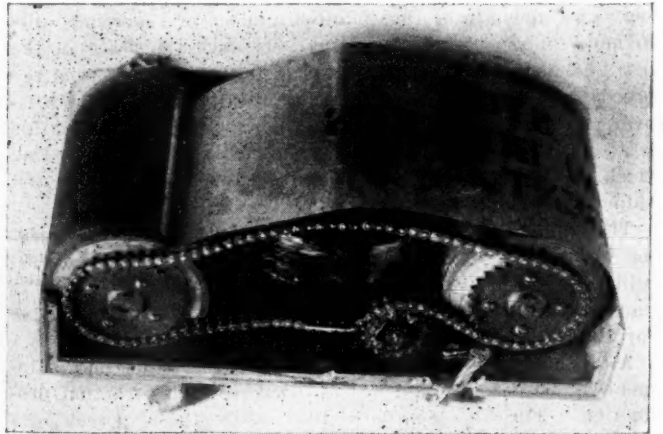
MECHANISM OF MACHINE—SIDE REMOVED.

It is claimed that it will do more work than eight men can do if each uses an ordinary stencil outfit of brush and pot. An additional feature of the machine is a counter that records the number of articles marked and also records the total number of them. The counter can be turned back to zero when desired, but the totalizer remains fixed until the machine is again used, when it goes on until it reaches 100,000, when it automatically resets itself to zero.



CONDENSER READY FOR SHIPMENT.

In use the Planemaker resembles a jackplane and it marks plain and clear without smearing. It is stated that the movement is easy, with an automatic recoil of the stencil ready for the next stenciling. Counting from the time of beginning, less than two seconds elapse in stenciling one article. This expedites the movement of shipments wonderfully. The stencil is of oilboard, 22 inches long and 5 inches



MACHINE UPTURNED TO SHOW STENCIL.

wide, and it may be cut or punched with any stencil cutting machine. The stencil can carry four lines of one-half-inch type, or three lines of three-quarter-inch type and two lines of larger type. Mr. Inglesby says the machine is strongly built on sound mechanical lines, of the best materials, and it is "fool proof." The ink is carried in a tightly closed container and it is fed to the brush in limited quantities by means of a device which can be regulated by the operator. If it is desired to change stencils a new stencil can be put in in less than half a minute.

A Big Steam Condenser.

A huge steam condenser weighing complete 118,000 pounds and composed of six big castings, the lightest weighing 8800 pounds and the heaviest 19,000 pounds, is shown in the picture herewith. It was built by the Chemical Engineering and Foundry Company of Atlanta, Ga., for a Pennsylvania manufacturer and was shipped to his customer in Sacramento, Cal. The company made and finished these large castings and finally assembled them with component parts into the complete vessel that is illustrated. A second vessel, which is part of the same order, is now in course of fabrication.

The company, whose business is that of engineers, founders and machinists, also makes caustic pots, kettles, stills, retorts and special vessels of various kinds for chemical and other industries, this including machinery for manufacturing sulphuric acid and fertilizers, cane-sugar mills and crushers, vacuum pans, multiple-effect evaporators, besides a great variety of castings, flanged pipe and fittings, and special machinery. The trade name of these products is "Marathon," with a figure of a Greek runner. E. Josephs is president and treasurer, Joel Hurt, Jr., vice-president, and John C. Moar, secretary; D. L. Pollock, sales engineer and general superintendent, and F. H. Gardner, chief engineer. The company has recently abandoned its selling agencies and has established its own selling office at 70 East 45th street, New York city, with Robert S. Beecher in charge. Sales in the Chicago district are being handled direct from the Atlanta headquarters.

CONSTRUCTION DEPARTMENT

EXPLANATORY

Additional information is published about all enterprises mentioned in this department as soon as such data can be obtained. Further facts about any incomplete or incorrect item reported in these columns are always appreciated.

DAILY BULLETIN

The Daily Bulletin is published every business day to enable its subscribers to follow up promptly the industrial, commercial, railroad, financial, building and general business development of the South and Southwest. To machinery manufacturers and dealers, contractors, engineers, and others who require daily information of every new enterprise organized and details about important additions to enterprises already established, the Daily Bulletin is invaluable. Subscription price, \$20.00 a year.

Bridges, Culverts and Viaducts

Fla., Clearwater—Details under Road and Street Construction.

Fla., Jacksonville—Duval County Comms. let contracts for 2 bridges as follows: 150-ft. x37-ft. reinforced concrete over Big Fishweir Creek, on Orange Park Road No. 5 to O. P. Woodcock, Jacksonville, Fla., cost \$25,000; 100-ft.x23-ft. reinforced concrete over Cedar Creek, on Main St. Road No. 4, to Ponder-Hammell Co., Jacksonville, Fla., cost \$19,400.*

Fla., Key West—Monroe County Board of Comms. will receive bids July 7 to furnish material and construct steel drawbridge, piers, abutments, operating machinery, fender system, etc., at northerly end of Key West over Barnes Sound, between Key Largo and mainland; plans, etc., from Clk. of Circuit Court; J. Otto Kerchheimer, Chmn. of Board.

Fla., St. Petersburg—City will receive bids June 23 for reinforced concrete bridge across Bear Creek at Fifty-ninth St. and Central Ave.; approximately 27 ft. by 86 ft.; plans, etc., from Director of Public Works; S. S. Martin, Director of Public Finance.

Ga., Savannah—Chatham County Comms. let contract to Savannah Foundation Co. at \$8213 to repair Herb River Bridge; A. B. Moore, County Judge.

Ky., Catlettsburg—Boyd County will receive bids June 20 to clean and paint 16 following bridges: One across Chadwick Creek, two across White's Creek, one across Durbin, two across Bolt Fork, three across Garner, 2½ across East Fork, one across Big Sandy Bear Creek, one across Marsh Run and three across Hood's Creek; plans, etc., from H. W. Fisher, Clk.; A. Johnson, County Road Engr.

Miss., Columbus—Lowndes County Board of Supvrs. plans erecting steel bridge across Tombigbee River to replace old one at foot of Main St., cost \$160,000; contemplates \$80,000 bond issue for County's share.

Miss., Jackson—Hinds County Board of Supvrs. will receive bids July 10 for reinforced concrete bridge over Pearl River on Brandon road at Jackson, approximate cost \$160,000; Hinds County paying half and Federal government half.*

Miss., Monticello—Lawrence County Board of Supvrs. will receive bids July 9 for two 19-ft. span creosoted timber bridges on Federal Aid Project No. 44, 29,650 ft. B. M. creosoted lumber; 1120 ft. B. M. untreated lumber; 1670 lin. ft. creosoted piling; plans, etc., from H. C. Dietzer, State Highway Engr., Jackson, and Chancery Clk., Monticello.*

Miss., Vicksburg—Warren County plans building bridge over Yazoo River on Scenic Highway; sold \$206,000 bonds; J. G. Sheard, County Clk.*

Missouri—State Highway Dept., Jefferson City, will receive bids June 24 for 22 bridges as follows: Federal and State Aid Project No. 170-A, Barton County, over creeks on road from Lamar north and south; 20 ft.

reinforced concrete slab, two reinforced concrete abutments and 20-ft. roadway; 10-ft. reinforced concrete slab span, two reinforced concrete abutments and 20-ft. roadway; 12-ft. reinforced concrete slab span, two reinforced concrete abutments and 20-ft. roadway; 260-A and B, Bates County, 4 over creeks on road from Amoret to Appleton City; 12-ft. reinforced concrete slab span, two reinforced concrete abutments and 20-ft. roadway; 20-ft. reinforced concrete slab span, two reinforced concrete abutments and 20-ft. roadway; 20-ft. reinforced concrete slab span, 2 reinforced concrete abutments and 20-ft. roadway; No. 254-A, C and E, St. Francois County, 5 on road from St. Louis to Jackson; over Joachin Creek, 25-ft. reinforced concrete deck girder span, two reinforced concrete abutments and 20-ft. roadway; over Dayce Creek, two 12-ft. reinforced concrete slab spans, concrete pier, two reinforced concrete abutments and 20-ft. roadway; over Big River, 150-ft. steel truss span, concrete floor; five 4-ft. reinforced concrete deck girder span, 20-ft. roadway, two reinforced concrete piers, five reinforced concrete bents; over Big River, 100-ft. steel truss span, concrete floor; eight 40-ft. reinforced concrete deck girder spans, eight reinforced concrete bents, two reinforced concrete piers and 20-ft. roadway; over Flat River, three 40-ft. reinforced concrete deck girder spans, four reinforced concrete bents, 20-ft. roadway; Route 6, Sec. 5, De Kalb County, over Third Fork of Platte River on road from Maysville to Clarksdale, 60-ft. steel truss span, concrete floor; five 20-ft. reinforced concrete slab spans, 20-ft. roadway, 2 reinforced concrete piers, five reinforced concrete bents; Route 7, Sec. 97, Howell County, over Howell Creek, three 20-ft. reinforced concrete slab spans, two reinforced concrete piers, two reinforced concrete abutments and 20-ft. roadway; Route 25, Sec. 24 and 25, Cape Girardeau County, on road from Delta to Advance; over Drainage Ditch No. 14, 50-ft. I-beam span, two creosoted wood-pile bents, wood floor, 20-ft. roadway; over Drainage Ditch No. 15, 49-ft. I-beam span, two creosoted wood-pile bents, wood floor, 20-ft. roadway; Route 46, Sec. 10, Worth County, over East Fork Grand River, on road from Allendale west, 80-ft. steel truss span, four 40-ft. I-beam spans, concrete floor, 20-ft. roadway, reinforced concrete abutment and pier, four reinforced concrete bents; No. 185 E and I, Jefferson County, on road from St. Louis to Jackson; over creek, two 12-ft. reinforced concrete slab spans, reinforced concrete pier; two reinforced concrete abutments and 20-ft. roadway; over Joachin Creek, 100-ft. steel truss span, concrete floor, four 35-ft. reinforced concrete deck girder spans, two reinforced concrete piers, four reinforced concrete bents; Route 39, Sec. 40, Dade County, 2 on road from South Greenfield to Pennsboro; over Buffalo Creek, two 30-ft. reinforced concrete deck girder spans, concrete pier, two reinforced concrete abutments and 20-ft. roadway; over Limestone Creek, 40-ft.

reinforced concrete deck girder span, six 20-ft. reinforced concrete slab spans, eight reinforced concrete bents and 20-ft. roadway; 207-B, Butler County, over Cane Creek on road from Poplar Bluff east and west, 70-ft. steel truss span, concrete floor, seven 20-ft. reinforced concrete slab spans, 20-ft. roadway, two reinforced concrete piers, seven reinforced concrete bents; B. H. Piepmeyer, Ch. Engr.

S. C., Greenwood—Details under Road and Street Construction.

S. C., Laurens—Details under Road and Street Construction.

S. C., Spartanburg—Spartanburg County Highway Comn. plans building steel two-way bridge at Tucks Crossing on Bolling Springs road.

S. C., Walterboro—Colleton and Hampton Counties will receive bids June 25 at McWilliams' General Merchandise Store, Yemassee, for 2 creosoted timber bridges over Combahee River and 2.611 mi. approaches on State Route No. 30, in Colleton and Hampton Counties; forty-three 14-ft. spans and seven 14-ft. spans, 4485 lin. ft. treated piling; 128,963 ft. M. B. M. treated lumber; 9.115 lbs. hardware; 1402 sq. yds. paving; road work consists of 46,479 cu. yds. common excavation; 7054 cu. yds. sand-clay surfacing; 2295 lbs. steel reinforcement; plans, etc., from W. C. Cathey, Div. Engr., Seville Bldg., Orangeburg, S. C., and State Highway Engr., Columbia, S. C.

Tenn., Maryville—City plans building viaduct; voted bonds. Address The Mayor.

Tex., Albany—Shackelford County plans building bridges on State Highway No. 23, between Albany and Cisco; estimated cost \$50,000; Richard Dyess, County Judge.

Tex., Georgetown—Williamson County let contract to Brown & Post, Georgetown, at \$7869 to repair South Gabriel Bridge on State Highway No. 2.*

Tex., Illinois Bend—North Texas Co., St. Jo, Tex., plans building toll bridge across Red River near Illinois Bend.

Tex., Sealy—San Antonio and Aransas Pass Ry. Co., L. Andrews, Ch. Engr., Yoakum, Tex., reported let contract to Orange Car & Steel Co., Orange, Tex., to construct piers for bridge across Brazos River east of Sealy.

Canning and Packing Plants

Ga., Elberton—Granite City Cannery, T. N. Colley, Pres., Box 762, will establish canning plant, install machinery, daily output 3000 cans. (See Machinery Wanted—Canning Machinery.)

Md., Easton—Easton Canning Corporation incorporated by Carter Hammond, W. Albert Johnson and C. Ross Veazey.

Miss., Aberdeen—W. M. Ketcham will operate canning plant.

N. C., Elizabeth City—A. W. Midgett, 501 Pennsylvania Ave., contemplates erection of cannery.

Clayworking Plants

Ala., Gadsden—Gadsden Coal & Clay Products Co. incorporated with D. N. Smith, Pres.; W. B. Counts, Sec., will develop clay and coal deposits, using coal for burning the clay into bricks.

Fla., Jacksonville—Denison Interlocking Tile Co., capital \$50,000, incorporated with C. W. Dixon, Graham Bldg., Pres.; Harvey L. Miller, Sec.

Fla., Orlando—Six-In-One Brick Co., capital \$25,000, incorporated with Charles S. Fosgate, Pres.; V. A. Vosgate, Sec.

Fla., Tallahassee—Herty Shale Brick and Tile Co. incorporated with C. W. Dixon, Pres.; Harvey L. Miller, Sec.

Coal Mines and Coke Ovens

Ala., Gadsden—Details under Clayworking Plants.

N. C., Greensboro—Parker Coal Co., Inc., corner McGee and Cedar Sts. (lately noted incorporated, capital \$50,000), organized with Mrs. Blanche E. Parker, Pres.; J. A. Parker, Sec.-Mgr., 705 Walker Ave., will purchase unloading devices and conveyors for coal yard, on the order of trough and drag type, using link belt and cross bars, probably 75 ft. in one piece, with 125 ft. or more in another line; also portable unloader. (See Machinery Wanted—Unloading Equipment.)*

Va., Blacksburg—Kinzer Price Mountain Coal Co., capital \$20,000, incorporated with Elizabeth B. Dunlap, Pres., New York; Wirt Dunlap, Sec., Blacksburg.

W. Va., Clarksburg—Tory Camp Coal Co. incorporated by Roy D. Lloyd, H. F. Mann, Karl B. Kyle and others.

Concrete and Cement Plants

N. C., Wilmington—Cement Products Co. increased capital from \$125,000 to \$250,000.

Cotton Compress and Gins

Ala., Albertville—Co-Operative Gin & Milling Co., capital \$10,000, incorporated by J. B. Lumpkin, T. L. Mann, G. L. Brock.

Tex., Columbus—Farmers' Gin Co., lately noted incorporated with \$10,000 capital, H. Brune, Sr., Pres., will erect cotton-gin with daily output of 80 bales; ironclad, 22x74, L-24x24, seed house 16x24 ft.; concrete floors, iron roof; cost of equipment \$14,000; The Murray Co., 3200 Williams St., Dallas, and Tips Engine Works, Austin, Tex., machine contractors.*

Tex., Covington—Farmer Gin Co., capital \$12,500, incorporated by A. D. Stevens, M. S. Barron and E. S. McElroy.

Tex., Crosbyton—Farmers Gin Co., capital

\$30,000, incorporated by G. L. White, W. C. Robertson and R. A. Grousbey.

Tex., Florence—Florence Gin Co., capital \$12,000, incorporated by W. R. Davis, H. L. Crockett and C. A. Davis.

Tex., Gonzales—Gonzales Water Gin Co., capital \$10,000, incorporated by M. A. Wade, David Stahl and Jacob Stahl.

Tex., Lella Lake—Farm Labor Union Gin Co., capital \$15,000, incorporated by E. L. Kennedy, W. A. Tomlinson and G. F. Leathers.

Tex., Navasota—S. D. Merrett and R. B. Truett will erect \$20,000 cotton gin; four 80-saw gin stands, equipped with oil-burning engine.

Tex., Raymondville—Willacy County Gin Co., lately noted incorporated with \$25,000 capital, S. W. Sibley, Pres., has awarded contract to Murray Co., 3200 Williams St., Dallas, Tex., and Fairbanks-Morse Co., N. Market St., Dallas, for 5-80 saw gin stands, press and 100 h.p. engine, to be installed in cotton gin now under construction.

Va., Chuckatuck—Nansemond Cotton Gin Corp., capital \$10,000, incorporated with L. F. McNeal, Pres.; D. C. Cotton, Sec.

Cottonseed-Oil Mills

Okla., Guthrie—Guthrie Cotton Oil Co., capital \$200,000, incorporated by E. Cook, C. W. Patterson, A. T. Buenting.

Tex., Houston—South Texas Cotton Oil Co., 25th and Ashland Heights, increased capital from \$600,000 to \$1,250,000.

Drainage and Irrigation

S. C., Charleston—Board of Charleston County Comms., William P. Cantwell, County Supvr. and Chrmn., contemplates issuing \$1,000,000 bonds for the operation of County Sanitary and Drainage Comsn.

Tenn., Selmer—R. O. Leeper has contract at \$8750 to construct Upper Cypress drainage canal, 5½ mi. long, reclaiming about 700 acres; the canal, with two laterals, will complete more than 30 mi. of drainage system.*

Tex., Brownwood—Brownwood Chamber of Commerce reported interested in an irrigation and hydroelectric project which involves the construction of a dam at Narrows below the confluence of Pecan Bayou and Jim Ned Creek; preliminary surveys have been made; estimated cost of project about \$2,000,000; reclaiming about 30,000 acres land by irrigation; contemplate creating district and issuing bonds.

Tex., Cotulla—Major Charles E. Cooke, of the Geological Survey co-operative work in in Texas, has completed survey of the Cotulla section (joint State and Federal work) to re-

claim by irrigation 75,000 acres land in Nueces valley; plans call for dam 90 ft. high, 4 mi. in length, earthen construction, excepting the spillway portion; estimated cost \$2,000,000; to be financed by the International-Great Northern R. R., F. F. Schwinn, Chief Eng., Houston, Texas, and La Salle County Comms.

Electric Light and Power Plants

Ala., Birmingham—The Alabama Power Co. will expend \$39,000,000 in next 12 or 15 years in construction of 6 dams on Tallapoosa River, total primary capacity of 90,000 h.p.; will make 4 ft. navigation on the Alabama River to the Gulf of Mexico possible throughout the year; \$80,000,000 will be expended in transmission lines, substations and other distributing equipment; the company will continue work on the Tallapoosa without interruption until the last of the dam is completed, and work at Tallassee Falls is already in an advanced stage.

Ala., Boyles, Branch Birmingham—Details under Land Developments.

Fla., Bunnell—City will erect electric light plant, will install Fairbanks-Morse 100 h. i. internal combustion engine, generator switchboard, and fixtures; cost \$12,000. Address The Mayor.

Fla., Cocoa—Details under Land Developments.

Fla., Miami—Details under Land Developments.

Fla., Oldsmar—Oldsmar Light and Power Co., capital \$20,000, incorporated with C. C. Schapier, Pres.; R. L. Smith, Sec.

Fla., Sarasota—Details under Land Developments.

Fla., Tampa—Details under and Development.

Ky., Falmouth—Kentucky Northern Power Co., Frankfort, Ky., granted preliminary permit and license for 2 years by the Federal Water Power Comsn. for power project in Licking River; project will consist of dam 94 ft. high, creating pool 70 mi. long; develop 36,000 h.p.*

La., Oak Grove—City let contract to H. L. Mentz, Magnolia, Miss., for electric light system.*

Md., Baltimore—Consolidated Gas, Electric Light and Power Co., will erect two 1-story buildings on east side of Bentalou St. north of Riggs Ave.; owner architect and contractor.

Md., Conowingo—Philadelphia Electric Co., Tenth and Samson Sts., Phila., Pa., is reported to acquire through Drexel & Co., Bankers, Phila., the majority of the voting stock

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MANUFACTURERS RECORD

BALTIMORE, MD.

of Susquehanna Power Co., 61 Broadway, New York, owning water rights on Susquehanna River in vicinity of Conowingo; Philadelphia Electric Co. is reported to have tentative plans for development of hydro-electric power for ultimate production of 500,000 h.p.; cost of development estimated at from \$50,000,000 to \$60,000,000.

Miss., Jackson—Board of Trustees Penitentiary let contract to Orgill Brothers & Co., Memphis, Tenn., at \$43,000 for purchase and installation of complete electric light system.

Mo., Waynesville—Central Missouri Power & Water Co. was granted preliminary permit for 2 years by the Federal Power Comm. for 2 power developments on the Gasconade River near Vienna and Waynesville, having combined capacity of 56,000 h.p.

N. C., Claremont—Town let contract to Piedmont Electric Co., Asheville and Greensboro, N. C., for materials and equipment for lighting system; \$10,000 available.

N. C., Mount Gilead—Carolina Power Co., Raleigh, N. C., granted 60-year franchise; will take over power lines of Smitherman Power Co. of Troy, N. C.

Okla., Clinton—Oklahoma Gas & Electric Co. acquired municipal light plant and its distributing lines; will repair and install additional equipment.

Okla., Hobart—Inland Utilities Co. plans electric light plant, system and oil engine; J. E. Wright, Engr.

Okla., Texola—City, Roy T. Shotwell, Mayor, opens bids June 17 for materials and equipment necessary for construction of electric light and water works system; Gantt Baker Co., Inc., Engrs., 1116 W. Main St., Oklahoma, Okla.

Tenn., Chattanooga—Tennessee Electric Power Co., B. C. Edgar, V. P., Chattanooga, will construct 4 miles of 44,000 volt transmission line connecting Chattanooga and North Chattanooga; outdoor 3000 kv-a., 44,000/11,400 volt transformer station; construction not contracted; transformers have been purchased from Westinghouse Co.; E. C. Williamson, engineer in charge, care of Tennessee Electric Power Co.*

Tenn., Clarksville—Kentucky-Tennessee Light & Power Co., O. E. Wessel, Asst. Gen. Mgr., Bowling Green, Ky., advises: Contemplating details for electrifying Western Tennessee; constructing 60 miles of 66 k. v. transmission line from Hopkinsville to Bowling Green, Ky., suspension type, B. E. Anderson in charge; installing 1½ miles of gas mains in Clarksville under direction of E. H. Allen, Supt.; also rebuilding 11,000-volt transmission line from Hopkinsville to Guthrie under direction of A. Wettstein, Superintendent, Hopkinsville; have completed 3750 kv-a addition to Hopkinsville plant and installed new equipment.

Tenn., Columbia—Southern Cities Power Co., Chattanooga, Tenn., let contract to Foster & Creighton, Fourth & First Bldg., Nashville, Tenn., to build powerhouse and dam across river near Columbia; cost \$100,000; Freeland, Roberts & Co., Ind. Bldg., Const. Engrs., Nashville.

Tenn., Knoxville—Knoxville Light & Power Co., Frank J. Jones, Ch. Engr., let the following contract for construction of new building on Magnolia Ave.: To Tate-Anderson Co., Knoxville, for reinforced concrete storeroom; to Weaver & McGill, Knoxville, for extension to car barn bay, of brick with steel roof; to Weaver & McGill for garage yard and brick building; to Knoxville Brick Co., Empire Bldg., Knoxville, for brick for 2 buildings; to Converse Bridge & Steel Co., Anderson and Barkley Sts., Chattanooga, Tenn., for steel work for car barn bay; total cost \$80,000.*

Tex., Claude—City voted \$35,000 electric

light and \$45,000 water works bonds. Address, The Mayor.*

Tex., Grapeland—Texas Power & Light Co., Dallas, Tex., will construct line from Grapeland to Crockett to furnish light and power for city.

Va., Richmond—Details under Land Developments.

W. Va., Wheeling—Details under Land Developments.

Fertilizer Plants

Fla., Tallahassee—Redbird Guano Co., capital \$10,000, incorporated with Cornelius Christiance, Pres.; DeF L. Christiance, Sec.

Fla., Vero—Indian River Fertilizer Co., capital \$150,000, Howard F. Smith, Pres.; C. E. Heald, Sec.; will erect mixed fertilizer plant with capacity of 60 tons; frame, steel clad, 50x120 ft.; cement basement, steel roof; L. M. Newman, Contr., Vero; Atlantic Utility Works, East Point, Ga., machinery contractors.*

Flour, Feed and Meal Mills

Ark., Stuttgart—O'Donnell-Draeger Rice Mill, capital \$125,000, incorporated with A. B. O'Donnell, Pres.; L. W. Buerkle, Sec.

Tex., Fort Worth—Merrill-Barber Grain Co., 413 Neil P. Anderson Bldg., organized by Kent Barber and R. I. Merrill, capital \$10,000.

Tex., San Antonio—Pioneer Flour Mills, 129 E. Gunther St., received low bid at \$11,600 from Chas. Schoenfeld, New Market House, for addition to flour mills; W. E. Simpson Co., Engrs., Nat'l Bank of Commerce Bldg.*

Foundry and Machine Plants

Ala., Atalla—A. C. Foundry Co. organized by J. W. Carroll and J. W. Alford; will erect foundry and machine shop.

Ala., Avondale Sta., Birmingham—Continental Gin Co., Title Guarantee Bldg., L. R. Munger, Pres., Dallas, Tex., reported to have let contract to H. K. Ferguson Co., 6523 H. Euclid Ave., Cleveland, Ohio, to erect first unit of \$750,000 plant at Forty-fifth St. and Fifth Ave.; foundry to be 135x400 ft., and machine shop 150x300 ft., all steel construction; will be supplemented later by an assembly building, warehouse, planing mill, etc.; manufacture cotton ginning and pressing machinery.

Eugene Munger, Birmingham, Ala., wires: H. K. Ferguson Co., Cleveland, Ohio, engineers erecting for us at Avondale foundry and machine shop 55,000 and 45,000 sq. ft. respectively, modern 1-story, steel construction, well ventilated and lighted, equipped with latest machinery and appliances; total \$350,000; will complete entire plant later; no definite plans; cost about \$750,000."

Ga., Savannah—Savannah Blow Pipe Co., J. P. Wheeler, Pres., Lothrop Ave. is building 30x100-ft. addition to blow pipe shop; construction by owner.*

La., New Orleans—Sinclair Machine Works, capital \$10,000, incorporated with H. Luther Sinclair, Pres., 4325 Ullea St.; H. F. Davis, Sec.-Treas., 1459 Moss St.

Md., Baltimore—Carolina Foundry Co., Richard B. Sparks, 723 S. Caroline St. has acquired additional property in rear of plant, will erect sand and core bins, etc.

S. C., Spartanburg—Piedmont Iron Works, capital \$10,000, incorporated with H. R. Phillips, Pres.-Treas.; H. C. Gerry, Sec.

Tenn., Chattanooga—Ross-Meehan Foundries, G. F. Meehan, Pres., Carter St., are building electric steel foundry, 240x120 ft.,

steel and concrete construction, steel sash, and will consist of one central bay and two side bays; install 3-ton Moore furnace, air compressor, sand blast room, sand mixer, annealing ovens, core ovens, etc.*

Tex., Houston—Gulf Machinery Manufacturing Co. incorporated by G. W. Dicks, E. A. Embrey, 2214 Mason St., and J. M. Hacker.

W. Va., Parkersburg—Parkersburg Machine Co. let contract to H. K. Ferguson Co., 6523 N. Euclid Ave., Cleveland Ohio, to erect machine and forge shop, pattern plant and office building, brick and structural steel; will manufacture oil well equipment.*

W. Va., Weston—Danser Manufacturing & Supply Co., W. Second St., have begun work on 3-story, 50x70 ft. building; manufacture oil well tools, etc.

Gas and Oil Enterprises

Ala., Boyles, Branch Birmingham—Details under Land Developments.

Ark., El Dorado—Hamilton & Baker, Inc., capital \$50,000, incorporated with Louis K. Hamilton, Pres.; F. H. Baker, Sec.

Fla., Clearwater—Texas Oil Co., Texas Bldg., Houston, Tex., will erect warehouse and tanks in Plaza Park.

Fla., Miami—Details under Land Developments.

Fla., St. Petersburg—City, Ernest Kitchen, Director of Public Works, will expend \$125,000 for gas main and gas plant extension; R. E. Ludwig, Director of Public Utilities.*

Ky., Central City—Details under Water Works.

La., Lake Charles—Lake Charles Petroleum Co., Inc., capital \$35,000, chartered with Louis Seiss, Pres.; Ernest Miller, Vice-Pres.

La., Ruston—Industrial Committee of Chamber of Commerce interested in organizing pipe line company to supply natural gas.

La., Shreveport—Wilkerson Oil Distributing Co., Inc., capital \$50,000, chartered with F. E. Wilkerson, Pres.; Leon O'Quin, Vice-Pres.; both 436 First National Bank Bldg.

Md., Baltimore—Heather Crude Oil Purchasing Co., Calvert Bldg., incorporated by Geo. S. Newcomer, Douglas H. Rose and Leslie E. Mihm.

Md., Curtis Bay, Baltimore—The Baltimore Terminal Co., a holding concern has leased to the Seaboard Terminals Corporation, a site of 67 acres on Curtis Creek; contract has been awarded Wm. G. Gischel & Co., Curtis Bay, for grading and concrete work and contract will probably be let to Sanford & Brooks, Water and Commerce Sts., Baltimore, for pier; H. S. Bell, Woolworth Bldg., New York City, Engrs.; Jerome Sloman, 704 Union Trust Bldg., Baltimore, Attorney, and resident engineer; will install storage tanks, lubricating oil plant, pipe lines, etc.; Baltimore & Ohio R. R., will probably extend spur line to plant; Seaboard Terminal Corp., has been incorporated with H. K. Gill of Cleveland, Ohio, Chmn. of Bd.; James H. Foster, Pres., Cleveland.

N. C., Charlotte—Carolina Standard Gas Products Co., capital \$100,000, incorporated by E. R. Bucher, 521 Sunnyside Ave., James S. Sease, 705 S. Church St., and J. C. McGowan.

Okla., Dewey—Dewey Roundup Corporation, capital \$10,000, incorporated by Joe A. Bartles, C. Earl Woodward and Harry S. Roll.

Okla., Haldton—Watkins-McPherson Drilling Co., capital \$50,000, incorporated by M. D. Watkins, D. J. McPherson and Beulah McPherson.

Okla., Pitcher—Arbuthnot Oil Co., capital

\$12,000, incorporated by S. H. Davis and J. E. Arbuthnot, both Baster Springs, Kan.; A. C. Wallace, Miami, Okla.

Okla., Tulsa—Rubuna Petroleum Co., capital \$25,000, incorporated by A. K. Swann, 847 Kennedy Bldg., K. C. Manning, J. B. Eskridge.

Okla., Tulsa—Hughes County Gas Co., capital \$50,000, incorporated by D. W. Cummings, O. E. Crews, 107 Nogales St., Ida M. Johnson.

Okla., Tulsa—Loeboyne Refining Co., capital \$100,000, incorporated by R. A. Kleinschmidt, Nora M. Guthrie, Marvin T. Johnson, 1006 Mid.-Cont. Bldg.

Okla., Tulsa—Aztex Refining Co., incorporated by Herbert Storck, 1712 W. Easton Court, John T. Lindsay, 829 Mayo Bldg., and others.

Tenn., Clarksville—Details under Electric Light and Power Plants.

Tenn., Memphis—Big Six Oil & Gas Co. incorporated by Edgar Webster, John E. McCall, Bank Commercial Bldg., and Armistead Andrews.

Tex., Cisco—Kuhmeier-Kleiner Oil Co., capital \$25,000, incorporated by F. J. Kuhmeier, J. H. Kleiner and C. J. Kleiner.

Tex., San Antonio—Texas Investment Co., capital \$30,000, incorporated by P. E. Schilling, 627 W. Mistletoe St., W. H. Parsons, Moore Bldg., M. O. Tandy.

Tex., San Antonio—Mid-Southern Oil Co., capital \$10,000, incorporated by D. H. Carl, 634 W. Russell St.; Everett Anglin and J. K. Kopley, 636 Patterson St.

Tex., San Antonio—Wheatley Oil Co., capital \$150,000, incorporated by C. A. Wheatley, J. S. Danley and Hattie V. Wheatley.

Tex., Sour Lake—Two Acre Oil Co., W. L. Clark, Sec., let contract to J. P. Fallmoure for drilling oil wells.*

Va., Richmond—Details under Land Developments.

W. Va., Wheeling—Details under Land Developments.

W. Va., Wheeling—Wheeling-Newport Oil & Gas Co. incorporated by H. H. Barach, Samuel Bagran, Geo. J. Stevens.

Ice and Cold-Storage Plants

Fla., Stuart—F. E. Murphy, Pres.-Gen. Mgr. of the Stuart Ice Co., has purchased property, will establish ice plant.

Md., Baltimore—George Gunther, Jr., Manufacturing Co., H. O. Bailey, Mgr. will erect 10,000 ton capacity ice storage warehouse corner Toone and Third St.

Tenn., Nashville—Central State Hospital, Lewis S. Pope, Commr. of Institutions, 3533 Richland Ave., will receive bids June 16 to construct and equip ice and cold storage plant at hospital.

Tex., Dallas—Electric Refrigerating and Appliance Co., capital \$10,000, incorporated by W. G. Moore, A. R. Irish, 3006 Cole St. and O. B. Bohny.

Tex., Goldthwaite—Mills County Cold Storage & Produce Co., capital \$10,000, incorporated by L. E. Miller, W. T. Keese and W. E. Harper.

W. Va., Northfork—Swift & Co., Chicago, Ill., let contract to H. A. Lucas, of Bluefield, W. Va., at \$25,000 to erect 2-story mill construction building for packing and cold storage; concrete foundations, composition floors and roof.

Iron and Steel Plants

Mo., Kansas City—Arrow Head Iron Works, capital \$100,000, incorporated by

Walter B. Richards, 410 W. 16th St., John A. Conover, Stewart H. Richards, 437 W. 62nd St. Terrace.

Land Development

Ala., Boyles, Branch of Birmingham—R. A. Walker, 3817 N. 27th St., George D. Brittain, both Birmingham, and associates interested in development of 70-acre tract for subdivision; will construct roads and streets, install water, sewers, gas and electric lights, etc.

Ala., Huntsville—Chase Nursery Co. will increase capital from \$35,000 to \$210,000.

Ark., Little Rock—Southern Farms Co., capital \$250,000, incorporated by J. W. Dickinson, 2615 Gaines St.; L. M. Wilson and A. L. Barber.

D. C., Washington—Amiss Realty Co., incorporated by John H. Murphy, and Harry D. Amiss, 45 Q St. N. W., both of Washington and Norman E. Fryer, Lexington Bldg., Baltimore, Md.

Fla., Arcadia—Arcadia Holding Co. incorporated with J. C. Ambler, Pres.; J. S. Floyd, Sec.

Fla., Arcadia—Rupert Smith will develop 30 acres for subdivision.

Fla., Clearwater—Clearwater Beach Estates Syndicate, A. M. Bobbitt, Ray Green and others, interested in improving land on western shore of Pinellas peninsula.

Fla., Clearwater—Clearwater Growers Assn. incorporated with Frank F. Booth, Pres.; Charles L. Hays, Sec.

Fla., Cocoa—Cocoa Beach Development Co., let general contract to Carl Fay, Cocoa, for development of 450 acres of land on Cocoa Beach for town site; will pave streets and sidewalks, and install modern improvements, including gas, electric lights, sewer system, water works, etc.; cost \$1,000,000; H. B. Smith, Constr. Engr., Titusville; R. W. Runnell, Jr., Archt., Courtenay, Fla.*

Fla., Daytona—Pines Realty Co., capital \$500,000, incorporated with R. L. Smith, Pres.; J. B. Kahn, Sec.

Fla., Daytona—H. S. Wilder Realty Co., capital \$25,000, incorporated with H. S. Wilder, Pres.; A. W. Irwin, Sec.-Treas.

Fla., Daytona—Alfred W. Wattenberg, capital \$25,000, incorporated with Alfred W. Wattenberg, Pres.; Aldres A. Green, Sec.

Fla., Everglades—Island Investment Co., capital \$10,000, incorporated with C. J. Grieser, Pres.; W. D. McHenry, Sec.

Fla., Jacksonville—Citizens Realty & Brokerage Co., capital \$10,000, incorporated with I. P. Davis, Pres., 530 W. Eighth St.; George H. Leapheart, Sec.

Fla., Jacksonville—Fayette Realty Co., capital \$60,000, incorporated with John R. Higbee, Pres.; Gerald M. Clarke, Sec., 2140 Main St.

Fla., Kissimmee—Paul C. Rouse will have charge of development of tourist camp and amusement park; will erect laundry building, auditorium, etc.

Fla., Kissimmee—Corporation Finance Corporation, W. K. Palmer, Chmn. of Board, 210 Orear-Leslie Bldg., 1010 Baltimore Ave., Kansas City, Mo., advises has 4200 acres of land and will develop Lake Tohopekaliga subdivision, to include a resort hotel, group of cottages, residences, and certain number of acreage tracts, with boulevards and driveways and park spaces, 4 miles of water front, fishing and boating piers; plans and construction by company's engineers and architects.*

Fla., Kissimmee—Osceola Development Co., capital \$150,000, incorporated with W. W. Edwards, Pres.; Ellis F. Davis, Sec.

Fla., Lakeland—City voted \$87,000 bonds for purchase of 80 acres of land in North Lakeland for athletic field and furnishing necessary equipment; \$17,000 for improvements of lake shore and erection of public parks; \$15,000 for improvements to Roselawn cemetery. Address The Mayor.*

Fla., Lakeland—Hardin Land & Investment Co., capital \$10,000, incorporated with Dr. E. B. Hardin, Pres.; J. L. Hardin, Sec.

Fla., Largo—Citrus City Growers Assn. incorporated with John S. Taylor, Pres.; H. H. Constantine, Sec.

Fla., Melbourne—Details under Water Works.

Fla., Miami—Oceanic Development Corp., lately noted incorporated with \$100,000 capital, E. C. Gayle, Pres.; J. E. T. Hunter, Sec.; will begin development of subdivision next fall.

Fla., Miami—Albeeg Holding Co. incorporated with P. G. Prevatt, Pres.; E. W. Deblinger, Sec.

Fla., Miami—Davenport & Rich will develop subdivision.

Fla., Miami—Coral Gables Securities Corporation, capital \$500,000, incorporated with Geo. E. Merrick, Pres.; Clifton F. Benson, Sec.

Fla., Miami—Florida Development & Construction Co., capital \$250,000, incorporated with Cephas I. Shirley, Pres.; Harry G. Tuckerman, Sec.

Fla., Miami—Davis-Bennitt-Curnin & Page Co., capital \$10,000, incorporated with Charles H. Davis, Pres.; Edw. W. Pagel, Sec.

Fla., Miami—Southern Properties, capital \$10,000, incorporated with Clayton W. Nichols, Pres.; Naomi M. Rice, Sec.

Fla., Miami—City, Ernest Cotton, Director, has 1/4 mile of water front property bordering on Biscayne Bay adjacent to business section of city 25 to 200 ft. wide, will fill in front of tract making it 1000 ft. wide for park purposes; has let contract to Comer-Essary Foundation Co., Miami, for construction of 4000 ft. of creosoted timber bulkhead to retain the fill; to Clark Dredging Co., Galveston, Tex., to fill the park area with material, work of filling to begin July 1, approximately 1,000,000 cu. yds. of material required; will construct band stand and comfort stations and small shelters; construct boat basin approximately 350x1000 ft. with necessary piers and landings, providing anchorage for yachts and other boats.

Fla., Miami—Florida Silk Producing Co., Box 256, capital \$250,000, Thomas De Pamphilis, Pres.; will develop 120 acres of land in mulberry trees for growing silk worms and erecting silk factory; cost \$115,000.

Fla., Miami—John J. Hyne, J. M. Kennedy and E. L. Baldwin, all of New York, will develop 10-acre tract for subdivision, install roads, water, sewers, etc.

Fla., Miami—F. B. Miller of Centralia will develop 30-acre tract for subdivision, install water, sewers, electric lights, telephone system, roads, etc.

Fla., Miami—Montray Corporation acquired tract of land in Hardee county and will develop for subdivision; install water, sewers, gas and electric lights, roads and streets, etc.

Fla., Narcoossee—Sugar Belt Citrus Growers Assn. incorporated with W. E. Frank, Pres.; V. M. Hill, Sec.-Treas.

Fla., Oldsmar—Harry E. Prettyman, Inc., capital \$10,000, incorporated with Harry E. Prettyman, Pres.; R. L. Smith, Sec.

Fla., Orlando—Porter-Bartleson Co., capital \$10,000, incorporated with T. V. Porter, Pres.; M. D. Bartleson, Sec.

Fla., Orlando—Baker and Holmes Co., capital \$50,000, incorporated with J. D. Baker, Pres.; L. T. McCoy, Sec.

Fla., Orlando—South Orlando Farms, capital \$1,000,000, S. A. Huchins, Pres.; changed name from Florida Made to Order Farms Corp.

Fla., Pensacola—Treasure Hill Park Corp., lately noted incorporated with \$100,000 capital, Theo. Baars, Pres., will develop 160 acres for subdivision; install streets, water and lights, septic tank sewer system, etc.; Henry Beaumont Herts, Archt., 247 Park Ave., New York; Speed-Parker Co., Contr., Norton Bldg., Louisville, Ky.*

Fla., Pensacola—T. L. Grant Investment Co., capital \$20,000, incorporated with T. L. Grant, Pres.; B. A. Landrum, Sec.

Fla., Sarasota—The Jackson Co., capital \$10,000, incorporated with Homer Howard, Pres.; J. V. Keen, Sec.

Fla., Sarasota—P. C. and A. T. Miller of Atlanta, Ga., have 40 acre site and will develop Venetian Gardens, subdivision; will construct 35 ft. canal install sewers roads, lights, etc.

Fla., Sarasota—Helen Brooks Smith of St. Petersburg, Fla., interested in development of Indianola for subdivision.

Fla., Sarasota—Frank Walpole acquired 34 acres of Siesta road and will develop for subdivision; will install water, sewer, roads, electric lights, etc.

Fla., Sarasota—Harrison-White Corporation, capital \$25,000, incorporated with W. G. Harrison, Pres.; C. R. Fairbanks, Sec.

Fla., Sarasota—Andrew McAnsh, Propr., of Mira-Mar hotel will construct 18 hole golf course; Donald Ross, Golf Archt., 459 Seventh Ave., New York.

Fla., Sarasota—R. E. Brown & Co., capital \$25,000, incorporated with Randolph E. Brown, Pres.; J. P. Brown, Sec.

Fla., Sarasota—O. C. Maner, James Brooks, F. R. Mercer and associates acquired acreage on Sarasota Beach will develop and subdivide into 1000 building lots; will install water, roads and streets, sewers, electric lights, etc.

Fla., Sebring—Fertile Valley Land Co., capital \$100,000, incorporated with B. L. Laird, Pres.; J. Lee Johnson, Sec.

Fla., St. Augustine—Comatchie Corporation, capital \$25,000, incorporated with A. E. Pilgrim, Pres.; L. Orrin Lawson, Sec.

Fla., St. Petersburg—Ray-Johnston Co., capital \$50,000, incorporated with A. R. Ray, Pres.; L. E. Hedberg, Sec.

Fla., St. Petersburg—Realty Operating Co., capital \$10,000, incorporated with Charles E. Cheney, Pres.; W. A. Furman, Sec.

Fla., Stuart—St. Lucie Estates, capital \$10,000, incorporated with Edward T. Osteen, Pres.; May E. Bozeman, Sec.

Fla., Tampa—City & Suburban Realty Co., capital \$50,000, incorporated with D. E. Knechtel, Pres.; W. R. Setzler, Sec.

Fla., Tampa—D. P. Davis Properties, capital \$3,500,000, incorporated with D. P. Davis, Pres.; R. A. Milan, Sec.

Fla., Tampa—Graham Securities Co., lately noted incorporated with \$10,000 capital J. W. Graham, Pres.; will develop 27 acres for residential subdivision; will install paving, lights, water, etc; bids under consideration; company has tract of 4500 acres in Citrus County, Fla., containing shell mounds and timber from which material will be taken for paving and construction of houses.*

Fla., Tampa—Midway Land and Development Co., capital \$500,000, incorporated with M. P. Miller, Pres.; H. S. Hampton, Sec.

Fla., Tampa—Mid-Bay Development Co., capital \$120,000, incorporated with T. H. Abbey, Pres.; Hewitt Walker, Sec.

Fla., Tampa—Continental Realty & Investment Co., capital \$20,000, incorporated with J. G. Lurvey, Pres.; M. L. Montgomery, Sec.

Fla., Tampa—United Investors, capital \$100,000 incorporated with T. H. Abbey, Pres.; Hewitt Walker, Sec.

Fla., West Palm Beach—Oakwood Investment Co., capital \$25,000, incorporated with Alf R. Nielson, Pres.; J. W. Gooding, Sec.

Fla., West Palm Beach—J. B. McDonald Co., capital \$100,000, incorporated with J. B. McDonald, Pres.; J. M. McDonald, Sec.

Fla., West Palm Beach—Palm Beach County Realty Co., capital \$50,000, incorporated with George W. Coleman, Pres.; Ethel G. Crandall, Sec.

Fla., Winter Haven—Beymer-Mann Co., capital \$50,000, incorporated with A. S. Beymer, Pres.; W. H. Mann, Sec.

Fla., Winter Haven—Lake Marian Growers Corp., capital \$500,000, incorporated with H. W. Senill, Pres.; Hugh L. Currie, Sec.

Fla., West Palm Beach—Charles Manning Co., capital \$10,000, incorporated with Charles Manning, Pres.; Elizabeth Manning, Sec.-Treas.

Ga., Waycross—D. & O. Lott will develop 120 acres for subdivision; grade streets, install sewers, etc.; John B. Ryer, Jr., Landscape Engr., Exchange Bldg., Columbus, Ga.

La., New Orleans—Edward R. Lanng, Inc., chartered with E. R. Lanng, Pres., 4516 Perrier St., and Anna Naumann, Sec.-Treas., 1818 Jena St.

La., New Orleans—Orleans Realty & Investment Co., capital \$25,000, incorporated with Jefferson D. Burnett, Pres.; Virginia Burnett, Sec.-Treas., both 1817 Napoleon Ave.

Md., Baltimore—Baltimore Terminal Co., Calvert Bldg., incorporated by Geo. S. Newcomer, Douglas H. Rose and Leslie E. Mihm.

Md., Belcamp—Belcamp Beach Corp., capital \$50,000, incorporated by Thomas A. Cassilly, Jr., N. P. Chapman, Clarence A. Tucker.

Mo., Cardwell—Bertig Realty & Investment Co., capital \$50,000, incorporated by Adolph Bertig and I. D. Loeb.

Mo., Cape Girardeau—Naeter Brothers Realty Co., capital \$75,000, incorporated by Fred W. Naeter, Alvin Madke, Fred W. Naeter.

Mo., Kansas City—Clinton Realty Co., capital \$10,000, incorporated by C. V. Higby, 602 Republic Bldg., Clinton Brown, May Luschinger.

Mo., St. Louis—Ricon Investment Co., capital \$50,000, incorporated by L. W. Day, Ferguson, Mo.; G. F. W. Mathias, Fourth and Pine Sts.

Mo., St. Louis—Stromsell Real Estate & Investment Co., capital \$20,000, incorporated by Ben P. Stromber, Louis K. Ansell, John M. Goodwin, Federal Reserve Bank Bldg.

Mo., St. Louis—Watson Farms Co., capital \$10,000, incorporated by R. V. Watson, Desloge, Mo., Albert N. Edwards, Edward Hadden.

Mo., St. Louis—Lake Hill Park Co., capital \$100,000, incorporated by John H. McCawley, James V. Muslek and Harold McM. Bixby, 4943 Pershing St.

N. C., Asheville—Asheville Industrial Sites, Inc., capital \$100,000, chartered by J. M. Pitner, 58 Courtland Ave., B. Frank Gudger and R. V. Morrow, 90 Courtland Ave.

N. C., Salisbury—Crystal Lake Park, Inc., capital \$50,000, incorporated by C. H. Kluttz, A. E. Davis and I. A. Nussman.

Okla., Ketchum—Craig County Vineyard

Co., capital \$10,000, incorporated by J. B. Hallum, G. A. Coker both of Ketchum, M. S. Holderman, Vinita, Okla.

Okla., Porter—Nunn's Pedigreed Seed & Stock Farm, capital \$15,000, incorporated by C. F. Lynde, J. F. Darby, both of Muskogee and C. N. Nunn.

S. C., Aiken—Aiken Kiwanis Club will establish recreation park three miles from city; will soon invite bids for construction of dam and other requirements of the park; will erect bath houses, boat landings, etc.

Tenn., Erwin—Erwin Cemetery Co. will develop cemetery.

Tenn., Memphis—Springdale Terrace Land Co., 715 Union & Planters Bank & Trust Co. Bldg., incorporated by J. G. Griesbeck, Geo. A. Bone and H. A. Murray.

Tex., Beaumont—Arcade Realty Co., capital \$20,000, incorporated by L. Block, F. J. Block and Wm. Wahrmond, 2421 Liberty St.

Tex., Marshall—D. C. Driskell of Fuqua will expend \$100,000 for development of Rosborough Springs for health resort.

Va., Norfolk—The Superemmes Corp., capital \$36,000, incorporated with Rufus Parks, Pres., Nat'l Bank of Commerce Bldg.; Lillian W. Thomson, Sec., Norfolk.

Va., Norfolk—Wailles Corporation, capital \$10,000, incorporated with G. W. Hank, Pres.; Ralston Fleming, Sec., Law Bldg.

Va., Richmond—Grove Avenue Crest Development Co., organized with A. L. McClellan, Pres., American Nat'l Bank Bldg.; John B. Swartout, Sec.; will develop 25 acres for subdivision; install water, sewer, gas and electricity; will widen Grove Ave., pave streets, etc.

Va., Virginia Beach—Virginia-Florida Development Co., organized with B. L. Hammer, Pres., D. J. Kennedy, Sec.-Mgr.; will develop Shadow Lawn Heights, a tract of 147 acres; install roads, and streets, water, sewer, electric lights, etc.

W. Va., Huntington—Camp Fire Girls, Frances Sutherland, Camp Executive, will develop camp site on Guyan River, construct tennis courts, playgrounds, etc.

W. Va., Huntington—Bellemont Improvement Co., capital \$150,000, incorporated by Harry S. Irons, Robson-Prichard Bldg., H. A. Davidson, J. H. Lewis, First Nat'l Bank Bldg.

W. Va., Wheeling—Oakmont Improvement Co., capital \$250,000, C. H. Dowler, Pres., will develop 135 acres of land at Oakmont; will install concrete paved streets and sidewalks, complete sewer, gas and water systems, ornamental lighting system, estimated cost \$500,000; Conrad & Pugh, Constr. Engrs., Wheeling. (See Machinery Wanted—Sewer System, etc.)

Lumber Enterprises

Ala., Athens—Hendricks Brothers, have acquired lumber and planing mill from the Miller Ice & Lumber Co., will operate plant.*

Fla., Maitland—Maitland Lumber Co., capital \$25,000, incorporated with Ernest A. Upmeyer, Pres.; Cora E. Upmeyer, Sec.-Treas.

Fla., St. Augustine—Bond Howell Lumber Co., T. L. Howell, Sec., of New Smyrna, Fla. reported to have acquired interests of the Canfield Lumber Co., will continue existing business.

Ga., Tignall—Savannah Valley Lumber Co., capital \$25,000, incorporated by J. M. Pitner, E. W. Adams and others.

Ky., Whitesburg—Hays Lumber Co., will erect plant, soon let contract.

La., Mansfield—W. J. Griffith Co., capital \$30,000, incorporated by W. J. Griffith, J. C. Griffith and L. B. Griffith.

Miss., Golden—Golden Saw Mill Co., capi-

tal \$350,000, incorporated by Hubert F. Young, W. D. Henry and H. N. Young, all Corinth, Miss.

La., Shreveport—Southland Lumber Co., capital \$150,000, incorporated with E. B. Fitzgerald, Pres., 623 Merrick St.; J. H. Phillips, Sec.-Treas.

Miss., Lyman—Batson & Hatton Lumber Co. let contract to Thrall & Shea, Lake Charles, La., to erect 72x260-ft. sawmill; wood with metal roof and sides; install two 8-ft. band mills and one 8-ft. resaw, one 23-in. gang, 30x48-in. Corliss engine, etc.; contract for machinery let to Filer & Stowell Co., Milwaukee, Wis.; daily output 150,000 ft. yellow pine lumber.*

Miss., Purvis—D. W. Slay and F. H. Jordan have acquired several million feet of timber land, will develop, erect, planing mill, dry kiln, etc.

Tex., Waco—E. Nelson Manufacturing & Lumber Co., 700 Mary St., capital \$100,000, incorporated by E. Nelson, Will Kessler, H. C. Nelson.

Tex., Weatherford—Milmo Lumber Co. is building 40x180 ft. lumber shed, also 36x75-ft. office building and warehouses combined, 1-story, brick construction.*

Va., Petersburg—Petersburg Shook & Lumber Co., capital \$150,000, incorporated with E. B. Williamson, Pres., 2801 W. Grace St.; W. C. Baptist, Sec., both of Richmond, Va.

Va., Tazewell—Cinch Valley Lumber Co., E. L. Labert, Sec., increased capital from \$300,000 to \$400,000.

Metal-Working Plants

La., New Orleans—Standard Sheet Metal Works, capital \$10,000, incorporated with Wm. H. Patterson, Pres., 8520 Apricot St.; Julius Forschler, Sec.-Treas., 4122 Camp St.

N. C., Oxford—Oxford Manufacturing Co. has under construction plant to manufacture automobile license plates.

Mining

Ala., Cherokee—Cherokee Rock Asphalt Co., H. E. Graper, Pres. has 1600 acres under development, daily output 1000 tons; machinery all purchased including \$120,000 crushing rolls; C. M. Colston, Const. Engr.*

Ala., Sheffield—Alabama Bauxite Co., capital \$10,000, incorporated by J. L. Andrews, W. E. Martin and W. S. Hatch.

Ark., Glenwood—Burnham Co., contemplates developing gravel pits, daily capacity 10 cars, install washers, screens, cables, conveyors, clam shell bucket, etc.

Oklahoma—The American Zinc, Lead and Smelting Co., 55 Congress St., Boston, Mass. reported to have acquired option on 20 acres tract south of Tar River, will develop.

S. C., Bath—McNamee Kaolin Co., reported to have begun construction of \$35,000 chalk sheds.

Tex., Corsicana—Corsicana Mining Co., capital \$100,000, incorporated by J. M. Hughes, R. C. Estes, W. M. Hugging.

Tex., Midlothian—United Lead & Zinc Corp., capital \$80,000, incorporated by J. H. Darby, R. P. Burks and J. G. Oliver.

W. Va., Bluefield—East River Stone Co., capital \$25,000, incorporated by W. L. Mustard, R. C. Sproles, W. B. Hicks and others.

W. Va., Bluefield—Limestone Products Co., capital \$25,000, incorporated by C. L. Borden, C. A. Rothrock, C. S. McKinzie, Jr., and others.

Miscellaneous Construction

D. C., Washington—Pier—Navy Dept., Bureau of Yards and Docks, will receive bids June 23 for repairs to wooden pier at Naval

Magazine, Washington (Bellevue); Spec. 4983. (See Machinery Wanted—Pier Repairs.)

Fla., Lakeland—Incinerator—City voted \$20,000 bonds for municipal incinerator. Address The Mayor.

Fla., Miami—Piers, etc.—Details under Land Developments.

Fla., Sarasota—Canal—Details under Land Developments.

Fla., St. Petersburg—Repairing Car Tracks—City, R. L. Ludwig, Director of Public Utilities, will expend \$136,000 for reconstructing and repairing municipal street car tracks; Ernest Kitchen, Director of Public Works.

Fla., St. Petersburg—Pier—Lew B. Brown, Chrmn. of Committee, interested in the proposed construction of \$1,000,000 recreation pier; plans call for concrete pier 150 ft. wide, extending 2000 ft. into the water, pier head of 300x400-ft., 12 ft. sidewalks for pedestrians, two 40 ft. driveways and space for street car rails along entire length; Loss & Co., Engrs., New York.

Md., Curtis Bay, Baltimore—Pier—Details under Gas and Oil Enterprises.

Miss., Vicksburg—Third Mississippi River Comsn. will erect temporary machine shops, etc. to replace burned structures; Major R. P. Howell, Engr. in charge.*

Mo., Nevada—Subway—J. J. Lindley, Mayor, contemplates building subway railroad yard, E. Walnut St.; estimated cost \$240,000; will vote June 17 on \$100,000 bonds; W. H. Woods, City Engr.*

N. C., Charlotte—Speedway—Charlotte Speedway, Inc., C. L. Etheridge, Pres., 219 W. Fourth St.; will receive bids about June 24 for construction of \$300,000 speedway, approximately 1½ mi.*

Okla., Kingfisher—Farmers Mill & Elevator Co., will rebuild elevator, lately noted burned at loss of \$12,000.

S. C., Aiken—Dam—Details under Land Developments.

Tex., Corpus Christi—Breakwater—City, P. G. Lovenskiold, Mayor, and Nueces County Navigation Dist. No. 1 will build breakwater near new deep water channel; plans to be completed by Sept. 1; R. J. Cummins, Engr., 727 Bankers Mortgage Bldg., Houston, Tex.

Va., Richmond—Natatorium—City voted \$85,000 bond for construction of natatorium. Address The Mayor.

Virginia—Waterways—Board of Army Engrs. has appropriation of \$1,034,200 for Virginia waterways for the ensuing year for following projects: Maintenance of James channel; improvement to Norfolk harbor; improvement to Norfolk-Beauford inland waterway and maintenance; Thimble Shoals channel; Potomac River at Alexandria; Occoquan Creek; Rappahannock River; Mataponi River, Pamunkey River and Blackwater River.

W. Va., Huntington—Memorial Arch—Huntington Memorial Assn., Robert L. Archer, Pres., 1505 Sixth Ave., plans erecting 40-ft. memorial arch of stone construction, in the municipal memorial gardens also extension of boulevard.

Miscellaneous Enterprises

Ala., Birmingham—Lloyd-Leonard Drug Co. incorporated with W. P. Leonard, Pres.; C. A. Loyd, Sec.

D. C., Washington—Food Specialty Co., Inc., capital \$50,000, chartered by John H. Murphy, Harry D. Amls, both Washington; Norman E. Fryer, Baltimore, Md.

Fla., Bradenton—Bradenton Coca Cola Bottling Co., capital \$30,000, incorporated

with W. H. Troutman, Pres.-Treas.; Ora Troutman, Sec.

Fla., Canal Point—Everglades News Publishing Co., incorporated with Howard Sharp, Pres.-Treas.; L. N. Simons, Sec.

Fla., Jacksonville—Jennings Dairy Farm, West Twenty-sixth St., Jas. Jennings and Thos. Danson, owners, have begun construction of plant, 100x30-ft. barn, concrete and wood, galvanized iron roof; 3 bunk houses, mess hall, calf pens, sheds, etc., estimated cost \$10,000; install \$5000 equipment, furnished by the following: Marshall & Spencer Co., 820 Palmetto St., Miller-Lenfesty Supply Co., Continental Harvester Co., Farquar Machinery Co., 729 W. Bay St.; S. B. Hubbard Co., 32 W. Bay St.; Berger Manufacturing Co., Canton, Ohio.

Fla., Lakeland—Abattoir—City voted \$40,000 bonds to establish municipal abattoir and \$20,000 bonds for stockade. Address The Mayor.

Fla., Lakeland—Lakeland Evening Ledger, capital \$100,000, organized by S. H. Farabee and Earl Mullen, Hickory, N. C.

Fla., Miami—Miami Daily News reported to erect \$1,000,000 building corner North Bay Shore Drive and Sixth St.; 15-story, 125x225-ft., fireproof construction; first three floors to be occupied by the Daily News, remainder of building to be for offices; Geo. A. Fuller Company, New York and Miami, have contract; excavation begun.

Fla., Miami—Miami Restaurant, Inc., capital \$10,000, chartered with Gordon Otto Pres.; C. O. Morgan, Sec.-Treas.

Fla., Miami—Building Materials—Dupree Lyon Co., capital \$10,000, incorporated with J. L. Dupree, Pres.; Evan H. Lyon, Sec. Treas.

Fla., Miami—Loft Building—Lloyd, Ryerson & Thomas, Inc., capital \$300,000, incorporated with Walter J. Lloyd, V.-P., 107 Bedford Bldg.; has acquired building having freight elevator and electric lighting plant.

Fla., Miami—New Way Laundry Co., capital \$50,000, incorporated with E. H. Whitney, Pres.; E. B. Kurtz, Sec.

Fla., Miami—Engineering—Tibbitts-Smith Co., capital \$30,000, incorporated with P. W. Tibbitts, Pres.; L. M. Johnson, Sec.

Fla., Palatka—Seminole Pulp & Paper Corp., capital \$200,000, incorporated with J. J. Fort, Pres.; C. Wyson, Sec.-Treas.

Fla., Sarasota—Sarasota Laundry & Dry Cleaning Co., J. T. Silvertooth, owner and Mgr., let contract to M. L. Wread to erect 50x150-ft. building, stucco front with sheet iron sides, concrete floors, composition roof, install \$25,000 equipment, including 120-in. seven roll mangle, six washers, three extractors, two garment pressers, etc. furnished by Troy Laundry & Machinery Co., Troy, N. Y.*

Fla., Tampa—General Construction Co., capital \$25,000, incorporated with P. Calliguri, Pres.; Joseph Raffeo, Sec.

Fla., West Palm Beach—Dixie Cleaning & Laundry Co., organized with C. R. Hieronymous, Pres.; plans building \$10,000 plant, installing \$50,000 equipment of latest design.

Fla., Winter Haven—Winter Haven Laundry Co., capital \$50,000, incorporated with C. J. Hurst, Pres.; C. L. Hurst, Sec.-Treas.

La., Lake Charles—Farm Supply & Awning Co., capital \$10,000, incorporated with Geo. L. Green, Pres.; James H. Kuttner, Sec.-Treas.

La., Monroe—A. L. Harrington Co., capital \$80,000, incorporated with Theodore F. Terzia, Pres.; A. L. Harrington, Sec.-Treas.

La., New Orleans—Cane Products Corp., capital \$100,000, chartered by L. J. Martel,

2417 Octavia, A. O. Bourdon and Geo. H. Conrad.

La., Monroe—Dixie Roofing Co., Inc., changed name from F. C. McClanahan Co., Inc.; increased capital from \$12,000 to \$50,000.

La., Napoleonville—Napoleonville Amusement Co., incorporated with Solomon Klotz, Pres.; Edward J. Prejean, Sec.

La., New Orleans—Contracting—E. J. Stewart & Co., Inc., capital \$30,000, chartered with E. J. Stewart, Pres.; J. J. Fineran, Sec.-Treas., both American Bank Bldg.

La., Shreveport—Morris & Dickson Co., Ltd., 220 Travis St., increased capital from \$100,000 to \$150,000.

Md., Baltimore—Gettler-Montayne, Inc., 108 W. Mulberry St., capital \$25,000, chartered by Clarence R. Gettler, Carlyle N. Montayne, and L. McGee Kurtz; advertising, etc.

Md., Baltimore—Eastern Engineering & Equipment Co., 204 Phoenix Bldg., capital \$100,000, incorporated by Alfred G. Schumann, Alfred F. Schumann and J. Rock Armstrong.

Md., Baltimore—Canton Construction Co., 918 East Fell St., capital \$12,000, incorporated by David H. Gough, Robert H. Potts and Louis H. Golden.

Md., Baltimore—Archers' Laundry, Inc., Howard and Mulberry Sts., have begun repairing building burned at loss of \$75,000.

Md., Baltimore—Atlantic & Southwestern Broom Co., 1300 Second St., let contract to H. E. Fisher to erect 1-story fireproof building corner Second and Toone Sts., 27x37 ft., slag roof.

Md., Baltimore—Seaboard Terminal Corp., Calvert Bldg., capital \$500,000, incorporated by Geo. S. Newcomer, Douglas H. Rose and Leslie E. Mihm.

Md., Baltimore—Art Film Service Co., 228 N. Gay St., capital \$25,000, incorporated by David Nelson, Solomon Momen and Elizabeth Simkin.

Md., Baltimore—Oles Envelope Co., 514 E. Lombard St., reported to erect \$25,000 plant on Montebello Ave.; 1-story, 100x200 ft. brick building.

Md., Baltimore—Colloidal Soap Products Co., R. M. Petit, Pres.; John R. Williams, Mgr., has acquired building at Haines and Warner Sts.; is equipping for the manufacture of soap.

Md., Baltimore—Holtite Manufacturing Co., Morris Eisen, Pres., Warner and Ostend Sts., has under construction 1-story addition, increasing output of rubber heels.

Md., Baltimore—Quaker Industrial Alcohol Co. has acquired portion of building on Harford Ave near Monument St., and will recondition and equip with tanks, vats, etc., necessary to denature alcohol; A. M. Stutman, in charge of work.

Md., Brooklyn, Baltimore—The Cast Stone Co., Maryland and Third Ave., Brooklyn, incorporated by Abraham Berkenfeld, Biscoe L. Gray and others.

Md., Mt. Rainier—The Phototechnical Laboratory, Inc., 3415 Rhode Island Ave., capital \$10,000, organized with John M. Hammond, Pres.; J. Edward Allen, Sec.-Mgr.*

Miss., Jackson—Dental & Medical Supply Co., capital \$15,000, incorporated by Barney Kennedy, Miles Moseley and others.

Miss., Sowell, P. O. Jackson—Mississippi Springs, Inc., capital \$15,000, incorporated by I. Ichman, W. T. Pate and others.

Miss., Yazoo City—Yazoo Hotel Co., capital \$100,000, incorporated by H. M. Love and M. M. Brisman.

Mo., Kansas City—Crown Extractor Co.,

capital \$300,000, incorporated by C. A. Miller, Kansas City; Geo. M. Maddux, Drumright, Okla. and others.

Mo., Kansas City—Amiesite Asphalt Co., capital \$10,000, incorporated by Philip J. Kealy, 221 Dwight Bldg.; C. S. Holbrook, J. S. Steward; construct amiesite asphalt paving.

Mo., Kansas City—Electric Products Co., capital \$100,000, incorporated by J. B. Murphy, 1718 Oak St.; W. F. Keller and Pearle A. Murphy.

Mo., Kansas City—Kansas City Bottle Exchange Co. incorporated by A. J. Summe, C. R. Nickolls, 2539 Jackson St., and L. J. Chapman; manufacture bottles.

Mo., LaBelle—McDaniel Screen Door Fly Swat Co., capital \$20,000, incorporated by Lewis D. McDaniel, Samuel D. Mattingly and others.

Mo., St. Louis—Shelling Machine—Black Walnut Co. incorporated by Francis Barnhart, Box 12, Clayton, Mo.; Susan Barnhart, Barnhart, Mo., and others.

Mo., St. Louis—Hats—Haral Manufacturing Co., capital \$10,000, incorporated by G. J. Peterman, 1211 Wilmington St.; H. Ziegler, B. Greensfelder.

Mo., St. Louis—Blue Electric Co. incorporated by W. H. Worcester, W. N. Worcester and E. A. Fusz, Title Guarantee Bldg.

Mo., St. Louis—Mayfair Investment Co., capital \$600,000, incorporated by Theo. H. Wigge, Charles Heisse and Herbert C. Smith.

Mo., St. Louis—Gordon Material Corp. incorporated by M. V. B. Gordon, 6843 Searlton St.; Archie P. Gordon and Sydnor W. Gordon; manufacture building materials.

Mo., St. Louis—Menendez Cigar Co. incorporated by Joseph Menendez, 6905 S. Broadway; Wm. R. Kaps and Walter L. Schuessler.

Mo., St. Louis—Motion Advertising Corporation, capital \$25,000, incorporated by Clarence M. Brouster, 111 N. Broadway; Joseph Weinhardt, 822 Walnut St., and Charles Martel.

Mo., St. Louis—Blue Electric Co. incorporated by W. H. Worcester, M. N. Worcester, Eugene A. Fusz, 325 Title Guarantee Bldg.

Mo., St. Louis—Sylvian Garment Co. incorporated by S. Schoenbrum, Frisco Bldg.; R. Schoenbrum, Carol A. Korngold, 1514 Federal Reserve Bank Bldg.

Mo., St. Louis—Engineering—Dwight P. Robinson & Co., capital \$10,000, incorporated with Louis H. Bean, Vice Pres.; Harry E. Essley, Sec.

Mo., St. Louis—Park Amusement Co. incorporated by Sam Goldman, 5774 Westminster St.; Marguerite A. Reber and Bertha Young.

N. C., Chapel Hill—Acacia Building Co., capital \$40,000, incorporated by J. W. Umstead, Jr., Durham; A. Clarence Pickard and John W. Forster, both Chapel Hill.

N. C., Charlotte—James F. Barrett, Editor of Charlotte Herald, 32 S. College St., will rebuild plant burned at loss of \$15,000.

N. C., Charlotte—Carolina Radio Corp., capital \$100,000, incorporated by W. E. Lowe, Matthews Karres, 21 N. Long St., and Andrew Pappas.

N. C., Charlotte—Wiggins Bros., capital \$200,000, incorporated by J. L. and T. J. Wiggins, 605 Kingston Ave., both of Charlotte, and J. P. Wiggins of Maxton, N. C.

N. C., Greensboro—Park Apartment Co., Inc., capital \$100,000, incorporated by S. H. Isler, Greensboro Drug Bldg., Hatty W. Isler and E. C. Watlington, 201 Edgeworth St.

N. C., Taylorsville—Tay-Stone Oil Co., capital \$100,000, incorporated by Samuel T. Crowson, J. A. Miller, Jr., and H. T. Kelly.

Okla., Blackwell—Blackwell Tribune Publishing Co. has preliminary plans for erection of 2 story and basement publishing plant.

Okla., Elk City—Story Hotel Co., capital \$75,000, incorporated by J. H. Story, M. E. Story and E. J. Story.

Okla., Muskogee—Eastern Oklahoma Publishing Co., capital \$100,000, incorporated by Fred E. Turner, 217½ W. Broadway, Harry G. Davis and Wm. Neff, 239 S. Thirteenth St.

Okla., Seiling—Dewey County Publishing Co. organized by W. A. Shepherd and R. C. Rhea; will publish Seiling Sentinel and Mutual Messenger.

Okla., Tulsa—Carlisle Manufacturing Co., capital \$10,000, incorporated by Fred Carlisle, Carl D. Smith, 447 Kennedy Bldg., and Ed Chastain.

S. C., Charleston—A. T. Holland, 512 W. Washington St., Suffolk, Va., has acquired building and will remodel and install peanut shelling machinery.

S. C., Columbia—Southern Products Corp., capital \$30,000, incorporated with H. B. Lake, Pres.; H. W. Wilson, Sec.-Treas.; manufacture chemicals, etc.

S. C., Greenville—Greenville Baggage Co. organized with Charles Dusham, Pres.-Treas.; Anna M. Dusham, Sec.

S. C., Greenville—Sana-Chem Co., Columbia, S. C., reported to remove disinfectant plant to Greenville.

S. C., Rock Hill—Abattoir—Foster Davis, reported to erect abattoir.

S. C., Rock Hill—Walton Engineering Co., capital \$10,000, incorporated with L. F. Waldrop, Pres.; J. B. Creighton, Sec.

S. C., Union—Caroco Laboratories, main office Munsey Bldg., Washington, D. C., capital \$3,500,000, reorganized with J. W. Buchanan, Pres.; G. A. Godfrey, Sales Mgr.; E. C. Lindfors, Sec.-Treas.; manufacture Caroco Coconut oil shampoo, etc.

Tenn., Memphis—R. B. Gates Co., 336 Madison St., capital \$50,000, incorporated by R. B. Gates, Lee Raines and J. M. Anderson.

Tenn., Memphis—Ramier-Hall Waxed Paper Co. has acquired buildings on Linden Ave.; will remodel and install machinery for manufacturing waxed paper.

Tenn., Nashville—Swift & Co., Chicago, Ill., R. R. Smith, Local Manager, let contract to Foster & Creighton Co. Fourth & First Bldg. to erect \$100,000 poultry packing and creamery plant at 800 Fourth Ave.; 4 stories, fireproof, brick and concrete; building will also contain poultry feeding station.

Tenn., Nashville—Methodist Episcopal Publishing Co., 810 Broad St., let contract to H. P. Jacobs & Co., Hillsboro Road, to construct addition to plant at Ninth and Broad Sts.; cost \$35,000.

Tenn., Signal Mountain—H. D. Almazov, Chattanooga, Tenn., representing moving picture concern, reported to develop 1100 acres for motion picture colony, erect studio, 4 stories high, 300x260 ft., Italian renaissance architecture; will probably organize Signal Mountain Development Co.

Tenn., Trezevant—Henry Wall has acquired plant of McKenzie Banner.

Tex., Austin—Water Seal Roofing Tile Co., capital \$10,000, incorporated by C. H. Page, L. C. Page and E. G. Hewlett.

Tex., Corsicana—Corsicana Hotel Co., capital \$100,000, incorporated by S. J. Thigpen, M. G. Thigpen and R. L. Stennis.

Tex., Dalhart—Dalhart Elevator Co., capi-

tal \$10,000, incorporated by W. H. Johnson, L. S. Fife and C. E. Mitchell.

Tex., Dallas—Hollywood Co., capital \$20,000, incorporated by J. B. Salmon, Magnolia Bldg.; E. R. Moss and W. A. Bell.

Tex., Dallas—Mike H. Thomas Distributing Co., capital \$50,000, incorporated by Mike H. Thomas, 4405 Preston St.; D. S. Thomas and F. D. Thomas.

Tex., Dallas—Confectionery—Ritz Corporation, capital \$20,000, incorporated by A. A. Chouteau, Jr., 3812 Lemmon St.; S. T. McDonald and L. R. Hogg.

Tex., Dallas—Middleton Hitzman & Co., capital \$100,000, incorporated by L. A. Middleton, 4825 Ash Lane, G. A. Middleton and G. R. Hitzman.

Tex., Dallas—Home Cleaner Co., incorporated by L. J. Nauroth, J. A. Dupuy and W. H. Edling.

Tex., Dallas—Tyler & Tyler Radio Corp., chartered by C. B. Tyler, H. K. Tyler and A. J. Tyler.

Tex., Dallas—Bluebonnet Motion Picture Corp., capital \$250,000, incorporated by J. B. Strong, William Morton, both Dallas; Lon A. Smith, Austin, Tex.

Tex., Dallas—Yum-Yum Co., capital \$25,000, incorporated by W. W. Bradley, W. F. Bradley and others.

Tex., Dallas—Cohen-Blum-Hermer Shoe Co., incorporated by I. S. Cohen, H. A. Blum and H. H. Hermer.

Tex., Dallas—Southwestern Tablet Manufacturing Co., 2222 Griffin St., increased capital from \$40,000 to \$60,000.

Tex., El Paso—Contracting—Alcot Company, incorporated by M. D. Sires, M. E. Coleman and L. Coleman.

Tex., Hemphill—Hemphill Amusement Co. incorporated by W. J. Moore, A. M. Jones, Sadie Jones.

Tex., Navasota—Dunavant Undertaking Co., capital \$12,000, incorporated by C. A. Dunavant, Ethel M. Alred and Wm. Alred.

Tex., Noona—Justin Leather Goods Co. increased capital from \$10,000 to \$25,000.

Tex., San Antonio—Physicians and Surgeons Supply Co., capital \$20,000, incorporated by W. L. Moody, III, E. A. Morris, E. W. Bickett.

Tex., San Antonio—Texas Hotel Co., capital \$30,000, incorporated by Chas. St. Clair, 918 S. Hackberry, S. G. Cotterell and others.

Tex., San Antonio—Laboratory—U. S. Constructing Quartermaster, Fort Sam Houston opened bids for construction of photographic laboratory building at Kelly Field, No. 2.

Tex., Taylor—Thompson Milk Products Co., capital \$15,000, incorporated by Robert Thompson, O. L. Elbert and others.

Va., Bristol—Shankel Mill Co., capital \$15,000, incorporated with J. J. Shankill, Pres.; J. A. Shankel, Sec.

Va., Lynchburg—Adkins & Co., 320 Twelfth St., W. J. Adkins, Pres., increased capital from \$25,000 to \$50,000.

Va., Lynchburg—Lynchburg Manufacturers Building, Inc., capital \$120,000, incorporated with A. F. Thomas, Pres., W. Lynchburg; H. E. Steptoe, Sec., 701 Federal St.

Va., Norfolk—Money Point Storage Corp., capital \$15,000, incorporated with C. H. Suber, 24 Hardy Ave.; F. J. Patterson, Jr., Sec. Treas.

Va., Pocahontas—American Dry Cleaning & Tailoring Co., capital \$25,000, incorporated with S. G. Sahagian, Pres.; Amos A. Miller, Sec.

Va., Richmond—S. E. Everidge Hardware Co., capital \$15,000, incorporated with S. E. Everidge, Pres.; Deane Haw, Sec.

W. Va., Bluefield—Ferguson Express &

Refrigerator Co., capital \$50,000, incorporated by Zachariah L. Ferguson, Bluefield; Charles D. Mahood, Princeton; Estelle Brown, Mtoaka.

W. Va., Wheeling—C. H. Rice Co., capital \$1,000,000, incorporated by Curtis H. Rice, Triadelphia, W. Va.; Geo. W. Oldham and E. Porter Glass, both Wheeling.

Motor Cars, Garages, Tires, Etc.

Ark., Little Rock—Filling Station—Herman-McCain Construction Co., Reigler Bldg., will build stucco filling station corner Third and High Sts.

Ark., Paragould — Garage — Mack West will erect 1-story, 54x100-ft. garage building on South Second St., brick construction, daylight type.

Fla., Jacksonville—Garage—J. C. Cooper, Jr., Ortega Blvd., and H. P. Osborne, 620 W. Bay St., have acquired building corner Clay and Adams St., will remodel for garage, etc.

Fla., Lakeland—Garage—C. R. Ford will erect 1-story, 95x97-ft. garage on corner Lemon and New York Ave.; brick and concrete construction; cost \$19,700.

Fla., Melbourne—W. F. Newman Operating Co., capital \$25,000, incorporated with W. F. Newman, Pres.; Fred H. Schomburg, Sec.

Fla., St. Petersburg—Service Station—Fred W. Litton let contract to C. W. Hurlburt for service station corner Pineapple Ave. and Seventh St., brick and stucco construction.

Miss., Belzoni—Belzoni Service Co., capital \$20,000, incorporated by E. R. McLean, J. P. Sanders and others.

Miss., Clarksdale—Wingate Motor Co. incorporated by R. G. Wingate, W. F. Gee and J. M. Talbot.

Miss., Magnolia—Weathersby Motor Co., incorporated by Van H. Weathersby and others.

Mo., St. Louis—Carpenter Jones Automobile Co. incorporated by James M. Carpenter, Wainwright Bldg.; Noel Carpenter and Alvin Mossop.

Mo., St. Louis—The S. & M. Sales Corporation, capital \$20,000, incorporated by James M. Matlock, 4215 Westminster St., Wm. D. Schwarting, Wm. J. Fennel, Jr.

N. C., Asheville—Auto Parts & Equipment Co., capital \$50,000, incorporated by James F. Wishart, O. B. Burroughs, Jr. and T. A. Harrison.

N. C., Charlotte—The Auto Service Co. let contract to McRee & Foard, 203 E. Fourth St., to erect brick filling station at Derita and Statesville Rds.; Louis Asbury, Archt., Realty Bldg.

N. C., Charlotte—Filling Station—Charles A. Dalton will erect \$10,000 filling station at Statesville and Hutchinson Ave., brick construction, tile roof; to be occupied by McDonald Service Co., 614 S. Tryon St.

Okla., Oklahoma City—Creek Motors Co. of Okmulgee, Okla., let contract to Reinhart & Donovan, Trades Nat'l Bldg., for branch plant on E. Grand Ave., 2-story, 50x140-ft., fireproof building.

S. C., Fort Mill—J. A. Greene Motor Co., capital \$10,000, incorporated by J. A. Greene and Mrs. E. M. Greene.

Tenn., Chattanooga—Garage—City contemplates building municipal garage, containing individual compartments for about 25 to 30 automobiles; brick, fireproof construction; Address Commissioner Wassman.

Tenn., Memphis—Automobile Accessories—Ozburn-Abston Co., 610 Munroe St., has acquired 136x200 ft. site on Union St.; will erect building.

Tex., Beaumont—Abelman Auto Top Co.,

875 Pearl St., capital \$10,000, incorporated by I. J. Abelman, H. A. Perlstein and L. Gordon.

Tex., Dallas—B. and H. Garage, capital \$10,000, incorporated by M. C. Hudson, 702 N. Windomere St.; C. C. Scott and others.

Tex., Goliad—City Motor Co., capital \$10,000, incorporated by W. K. Breeden, C. O. and P. H. Breeden.

Tex., Marlin—Marlin Motor Co., capital \$30,000, incorporated by James Adams, R. V. McClain, H. M. Richey.

Tex., Navasota—Garage—Royal Lott will erect \$15,000 garage, 1-story, 50x100-ft., brick and reinforced concrete construction; M. L. Waller, Archt., 317½ St. Mary St.

Tex., Orange—W. M. Gunstream will build \$35,000 bus building, 2-story, 50x150-ft., brick, stone and concrete construction; private plans.

Tex., San Antonio—Auto Dealers Supply Co. increased capital from \$15,000 to \$25,000.

Tex., Taylor—White Lion Rubber Works, capital \$15,000, incorporated by H. H. Theis, Y. F. Hopkins and S. G. Gernet.

Tex., Thorndale—Thorndale Auto Co., capital \$10,000, incorporated by Jones Clement, C. Saller and J. B. Clement.

Tex., Thorndale—Becker Motor Co. incorporated by August Abelman, Will Wuetsche and C. A. Davis.

Va., Bedford—Bedford Tire & Rubber Co., L. R. Gills, Pres., let contract to Preston & Pollard to erect 2-story and basement factory building, install machinery; manufacture Virginia-made tires.*

Va., Coeburn—Central Provisions Co., capital \$25,000, incorporated with W. T. Rorer, Pres.; J. K. Cunningham, Sec.

Va., Richmond—Downtown Service Corporation, capital \$25,000, incorporated with H. T. Rainey, Pres., 201 S. 14th St., B. C. Rainey, Sec., 1319 W. Main St.

Va., Richmond—Whitten Oldsmobile Co., capital \$15,000, incorporated with J. Webster Whitten, Pres.; B. G. Garner, Jr., Sec., 3014 Griffin Ave.

W. Va., Clarksburg—Garage—J. R. Pollard will erect \$10,000 garage building, 2½-story, 32x34-ft., brick and tile, wood joists, shingle roof, concrete foundation, cement and wood floors; receiving bids; Holmboe & Pogue, Archts., Empire Bank Bldg., Clarksburg.

W. Va., Franklin—Garage—Main Street Garage, Irving Ritchie, let contract to Home Building & Supply Co., Harrisonburg, Va., to erect 1-story, 40x140-ft. tile garage building, cement floors, metal roof; foundation being laid with day labor; will install general garage equipment to be purchased.

W. Va., Huntington—Garage—H. E. and C. E. Hines, 1214 Charleston Ave., reported to erect \$200,000 building on Fifth Ave., near Ninth St., 3-story and basement, foundation will provide for a total of 12 stories; tentative plans are for garage for day and night storage.

W. Va., Wheeling—Twelfth Street Garage, C. A. Vaden, Pres., will erect four additional floors to present building, to be used for storing purposes and top floor for auto wash room facilities; estimated cost \$75,000.

W. Va., Wheeling—Standard Garage, Ray Greathouse and Elmer W. Vessels, owner, will establish garage on Washington Ave.

Railways

Fla., Haines City—Mid City Railroad Co., Isaac Van Horn, president, contemplates building a line from Haines City to Polk City, 14 mi. O. N. Axtell is engineer.

Fla., Perry—George K. Armes, engineer, of Tallahassee, Fla., is reported to have begun

survey for the proposed Florida West Coast Railway between Parry and that city. L. A. Whitney of St. Petersburg, Fla., is secretary. Company's address is P. O. Box 362, Tallahassee, Fla.

Road and Street Construction

Ala., Anniston — State Highway Comn., Montgomery, plans concrete, asphalt or other permanent highway from Talladega County line to Cherokee County line, via Oxford and Piedmont.

Ala., Attalla—City received low bid from Lasley Brothers, Chattanooga, Tenn., at \$171,000, to pave about thirty blocks in principal business and residence sections. Address The Mayor.*

Ala., Birmingham—City plans improving Tenth Ave. north from Twenty-eighth to Fiftieth; estimated cost \$250,000; also Fifth Ave. from Forty-fifth to Eighty-seventh; A. J. Hawkins, City Engr.

Ala., Birmingham—City let contracts to pave following streets: Second Ave. from Fourteenth to Eighteenth, and Sixteenth from First to Third, to Dunn Construction Co., \$35,555; Forty-Sixth St., Ensley, from Martin to Ave. P, to Morgan Hill Paving Co., \$18,361; Seventh Ave. from Fourteenth to Nineteenth, H. N. Bowdry, \$27,542; two contracts for track paving were awarded to Birmingham Electric Co., as follows: On Second Ave. from Fourteenth to Eighteenth, and Sixteenth St. from First to Third, at \$16,965; on Ave. U, Ensley, at \$17,420; all Birmingham.

Ala., Birmingham—Jefferson County, Board of Revenue let contracts to Morgan, Hill Paving Co., Woodward Bldg., Birmingham, for 2 sections of roads as follows: Grade and pave with sheet asphalt top, on 6-in. concrete base, 1.5 mi. Pratt City-Birmingham road, at \$69,016; pave with sheet asphalt top on 6-in. concrete base .5 mi. Pratt City-Ensley road, at \$18,110.*

Ala., Boaz—Town plans laying 7½ mi. cement sidewalks in main business and residential sections. Address the Mayor.

Ala., Boyles, Branch Birmingham—Details under Land Developments.

Ala., Clayton—State Highway Comn., Montgomery, let contract to Wafford & Co., Dothan, at \$86,189 to gravel and sand-clay surface 11.72 mi. road between Louisville and Clayton; and at \$4484 for bridges.*

Ala., Double Springs — State Highway Comn., Montgomery, let contract to Howard Bull to gravel state road between Haleyville and Double Springs.

Ala., Gadsden—Etowah County Commrs., plan regrading and rebuilding Whorton Gap on Sand Mountain from top of mountain to Duck Springs.

D. C., Washington—Dist. Commrs., let contract to G. B. Mullin Co., Inc., 1296 Upshur St. N. W., Washington, at \$76,050 for 35,000 sq. yd. cement sidewalks.*

Fla., Bartow—Polk County Commrs., plan building 4 roads as follows: 3 mi. Bartow to Royster Mine; widen about 19 mi. Lake Wales-Bartow road; 9 mi. Bartow-Alturas; 7 mi. Lake Wales-Hesperides; contemplate \$750,000 bond issue.

Fla., Brooksville—Hernando County Commissioners, plan building 4 local roads, and several lateral roads as follows: 5 mi. between end of hard surfaced road from Brooksville to Spring Lake and end of Pasco County line, to connect with asphalt road from Dade City; 3 mi. from end of Pasco section of State Road No. 23, through Hernando's dark stretch; from Pasco County line north of Trilby and connecting with hard surfaced road in Sumter County south

of St. Catherine; from Brooksville to Lantano.

Fla., Clearwater—Pinellas County plans paving 3 roads with asphalt blocks on rock foundation, and building necessary bridges in Special Road and Bridge Dist. No. 3, south of St. Petersburg; voted \$630,000 bonds. Address County Commrs.*

Fla., Cocoa—Details under Land Developments.

Fla., Dunedin—City plans expending \$30,000 to pave with vitrified brick or equivalent various streets. Address The Mayor.

Fla., Fernandina—City let contract to T. B. Gillespie, Palatka, at \$22,000 for 1500 ft. 36 and 24-ft. wide brick pavement, asphalt filler, shell foundation.*

Fla., Key West—Monroe County, Board of Commrs. will receive bids July 7 for 4.48 mi. 16-ft. stone surface oiled road, with suitable material for subgrade, from intersection of present County road on Key Largo, and north quarter section line of meridian of Tallahassee, to point midway water opening between Barnes Point and point near Little Card Sound, on mainland; plans, etc., from Clk. of Circuit Court; J. Otto Kirchner, Chmn. of Boards.*

Fla., Lake City—City plans grading, paving and curbing streets; will vote June 24 on \$100,000 bonds; C. R. Horn, City Engr.

Fla., Melbourne—Details under Land Developments.

Fla., Miami—Details under Land Developments.

Fla., Pensacola—Details under Land Developments.

Fla., Sarasota—Details under Land Developments.

Fla., Tampa—Details under Land Developments.

Fla., West Palm Beach—City plans expending about \$55,000 to widen and rock Olive St. from Nottingham Blvd. to Gregory road; widen, extend and rock, Gregory road to proposed Parker Ave. terminus; widen Palm Ave. and Bunker road; all in South Borough. Address Mayor Harvey.

Ga., Camilla—City will receive bids July 2 to pave various streets; sold bonds. Address The Mayor.

Ga., Camilla — Mitchell County Commrs. will receive bids July 2 to pave 10 mi. Dixie Highway from northern part of Camilla to southern part of Pelham.

Ga., Clarksville—Habersham County plans building system of highways through County; contemplates \$400,000 bond issue. Address County Commrs.

Ga., Clarksville—State Highway Comn., East Point, let contract to Sam E. Finley, 212 W. North Ave., Atlanta, at \$17,662 for 4 mi. hard surfaced road between Demorest and Clarksville.

Ga., Louisville—Town plans paving Broad St. Address the Mayor.

Kentucky—State Highway Comn., Frankfort, approved building 10 roads as follows: Pulaski County, 15 mi. Dixie Air Line from Somerset to McCreary County line; Floyd County, 1½ mi. Mayo Trail from Prestonburg to work finished or authorized; Washington County, macadam from Springfield to Mackville; Meade County, Ohio River Route from Brandenburg Station to Grahamton; Metcalfe County, 6.8 mi. gravel surface Glasgow-Burkesville road from end of authorized road near Willow Shade to Barren County; Garrard County, 3 mi. macadam reconstruction Buckeye road from city limits of Lancaster; Harrison County, 10 mi. water-bound macadam surface treatment, reconstruction, from Cynthiana to Bourbon County line; Nicholas County, 2.2 mi. reconstruction of State road to Moorefield; Project 10-C, Caldwell County from Princeton to Marion; No. 10, Muhlenberg County from Greenville to Hopkins County line, and from Central City to McLean County line; Joe S. Boggs, State Highway Engr.

Kentucky—State Highway Comn., Frankfort, received low bids for improving 14 roads as follows: Surface treatment, Bath County, 3.2 mi. Sharpsburg-Owingsville, Standard Asphalt Sales Co., at \$2966 for tar, and \$3435 for oil; Bell County, 2.55 mi. Middlesboro-Cumberland Gap, F. G. Breslin, 3d, Market St., Louisville, at \$2611 for tar, and \$3027 for oil; Boyle County, 4 mi. Danville-Lebanon Southern Oil & Tar Co., \$4058 for tar, and \$4034 for oil; Garrard County, 6.1 mi. Lancaster-Richmond, R. B. Taylor, \$6363 for tar, and \$7125 for oil; Jessamine County, 5.4 mi. Nicholasville-Lexington,

Unprecedented Construction Activity in Southern States

\$104,425,000

public improvement bonds
sold first four months—1924.

29,163

construction items published
in first five months—1924.

\$84,280,000

public improvement bonds
sold first four months—1923.

25,021

construction items published
in first five months—1923.

Standard Asphalt Sales Co., \$6413 for tar, and \$7419 for oil; Lincoln County, 6 mi. Stanford-Somerset, R. B. Taylor, \$4786 for tar, and \$5427 for oil; Madison County, 4.67 mi. Richmond-Winchester, R. B. Taylor, \$3716 for tar, and \$3910 for oil.

Pulaski County, 7.5 mi. Stanford-Somerset, Kentucky Road Oiling Co., \$5951 for tar and \$6599 for oil; reconstruct, Christian County, 10 mi. Dixie Bee Line, F. C. Garrell, at \$97,960 for waterbound macadam, N. E. Stone & Co., at \$109,368 for bank gravel; Webster County, 19.22 mi. Dixie Bee Line, A. J. Hoffman, at \$222,879 for bank gravel, concrete pipe, and \$222,931, bank gravel, vitrified pipe; Hardin County, 6.1 mi. Elizabethtown-Leitchfield, W. R. Routt, \$18,911 for waterbound macadam; Henry-Shelby Counties, 6.5 mi. Eminence-Shelbyville, Ben W. Graham, \$47,309 for waterbound macadam; Lincoln County, 3.5 mi. Stanford-Danville, Taylor Brothers, \$36,736 for waterbound macadam; Woodford County, 2 sections; 4.8 mi. Versailles-Lawrenceburg, Karkick & Sable, \$32,044 for waterbound macadam.

Ky., Greenville—Muhlenberg County plans road building; plans voting Sept. 2 on bonds. Address County Commrs.

Ky., Henderson—City plans paving and oiling various streets; cost \$50,000; C. F. Hall, Mayor.

Ky., Mayfield—City will receive bids this week for laying sidewalks and gutters on various streets. Address the Mayor.

Ky., Owensboro—City Commrs., plan rebuilding Frederica St. from Griffith Ave. to Eighteenth St.; improve Ninth St. from Walnut to city limits; Second from Lewis to Triplett; Third from Davless to Triplett and from St. Elizabeth to Cedar; Triplett from Sixteenth to Eighteenth. Address City Engr. Shifley.

Ky., Paintsville — Johnson County plans completing section of Mayo Trail from Paintsville to Floyd County line at East Point; Beecher Stapleton, County Judge.

Ky., Poor Fork—Board of Trustees will receive bids July 7 to lay reinforced concrete or concrete base with Kentucky rock asphalt top on following streets: Main from end to end and from curb to curb; Cumberland from intersection with Main St. near bridge to Huff St.; Market from end to end; Huff from Cumberland to Main; plans, etc., from J. L. Huff, Clk., Poor Fork, and Campbell Wallace, Engr., Empire Bldg., Knoxville, Tenn.

La., Coushatta—Town let contract to Turk Construction Co., Shreveport, at \$21,000 for sidewalk paving.*

La., Lake Charles—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, will receive bids June 26 to surface with either shells or gravel 644 mi. Vinton-Orange Highway, Calcasieu Parish, Federal Aid Project 43-C; plans, etc., on file; J. M. Fourmy, State Highway Engr.

La., Monroe—City will receive bids June 25 to pave Texas Ave. from Jackson St. to S. Fourth St., 5070 sq. yd. sheet asphalt pavement; 2600 lin. ft. curb and gutter; 100 sq. yd. sidewalks; 1700 cu. yd. grading; 8 inlets, 2 manholes; 400 lin. ft. 15-in. pipe; plans, etc., from City Engr.; P. A. Poag, City Sec.

La., Shreveport — City received low bids from E. J. Deas Co., Bell Bldg., Shreveport, at \$114,021, for permanent paving on Fetzner Ave. from Texas St. to city limits.*

Md., Baltimore—Board of Awards let contract to Frank Carozza, 5209 York, at \$11,440, to grade Ellerslie Ave. from Gorsuch to Thirty-Sixth; Thirty-Sixth from Ellerslie to Snowdown, and Snowdown from Thirty-Sixth to Thirty-Third; will receive bids June

25 to sheet asphalt above streets; also let contract to P. Flanigan & Sons, Inc., Harford road and B. & O. R. R., at \$29,064 to pave with sheet asphalt O'Donnell St. from East Ave. to Third, and Clinton St. from Tenth to point 100 ft. north.

Md., Baltimore—Board of Awards will receive bids June 25 to grade, curb and pave with sheet asphalt on concrete base and cement concrete streets in Cont. No. 260-OA, 17, 800 sq. yd. sheet asphalt, and Cont. No. 261-OCANA, 7250 sq. yd. cement concrete; plans, etc., from Paving Comm., R. Keith Compton, Chmn., 214 E. Lexington St.; Howard W. Jackson, Mayor, Pres.

Md., Baltimore—City let contract to Peter Averza, 2006 Bank St., at \$29,070 to grade and lay cement concrete footways in Footway Cont. No. 75; Bernar L. Crozier, Highways Engr.*

Md., Baltimore—Paving Comm., R. Keith Compton, Chmn., 214 E. Lexington St. will pave, repave and resurface with improved pavement Dryden Drive from Winans Way to Rokby road; New Boulevard (N. Hillsdale Park) from Hillsdale road to Forrest Park Ave.; Ethland Ave. from point west of Clarendon Ave. to New Boulevard; Oaklawn Road, from Forest Ave. to point about 400-ft. southeast; Ardmore Way from Chestmont Ave. to Biddison Lane; Denmore Ave. from Singer to Glenwood Ave. Johnston St. from Heath to Randall.

Md., Baltimore—Board of Awards plans paving with concrete Glenn Ave., from Arlington Ave. to alley south of Spring Hill Terrace; Falls Road Terrace, from end of present paving to point 380 ft. north of Climbing path; Belle Terre Ave., from Frisby to Ellerslie; Avon Ave. from Belle Terre Ave., to Thirty-Third St.; Belwood Ave. from Belair road to Ardmore Ave.; Olive St. from Clement to Ropewalk lane; Howard W. Jackson, Mayor, Pres.

Md., Baltimore—State Roads Comm., 601 Garrett Bldg., received low bid from F. D. Carozza, Thornfield, Govans, at \$104,605, to re-surface and shoulder 4.6 mi. along Eastern Ave., from City Line to Middle River Bridge.*

Miss., Corinth—City plans paving seven blocks each on Taylor and Jackson Sts. and six blocks on Webster St., all in residential section. Address The Mayor.

Miss., Greenwood—Leflore County Board of Suprvs. let contracts for 100,000 tons of gravel for Greenwood-Money-Tallahatchie County line road as follows: 50,000 tons each to Ashleigh Harleston Co. and L. S. Hemphill, Jr.; Eli Abbott, Jr., Engr.

Miss., Laurel—City will receive bids soon to pave and lay sidewalks on about twelve blocks: 22,000 sq. yds. street paving; 6700 sq. yds. sidewalks; 12,000 lin. ft. curb and gutter; 2500 lin. ft. concrete header; approximate cost \$90,000. Address The Mayor.

Miss., Port Gibson—Claiborne County, Board of Suprvs., plans improving 2 roads in Dist 1, as follows: Widen and repair Pattison-Port Gibson gravel road; Port Gibson-Tillman road.

Miss., Vicksburg—Warren County High way Commrs., are receiving bids to grade and gravel portion of road from Haynes Bluff to railroad.

Missouri—State Highway Dept., Jefferson City, let contracts for 5 roads projects as follows: Jefferson County, 3 sections concrete road on St. Louis-Festus Highway, to W. F. Smith, Havana, Ill.; Warren County, concrete St. Louis-Kansas City road, Haller & Davis, Boonville, \$101,955; Clay County, 1.301 mi. concrete, from Kansas City to Parkville, Mike Hasse, Trenton, \$37,944.

Missouri—State Highway Dept., Jefferson

City, will receive bids June 24 for 7 road projects as follows: State Project Route 6, Sec. 6, De Kalb County, 4.142 mi. 30-ft. graded earth from Maysville to Clarksdale, 33,339 cu. yds. earth excavation; Route 46, Sec. 10, Worth County, .454 mi. 30-ft. graded earth from Allendale west, 15,214 cu. yds. earth excavation; Federal and State Project No. 185-G, Jefferson County, 4.295 mi. 30-ft. graded earth from St. Louis to Jackson, 38,734 cu. yds. earth excavation; No. 170-A, Barton County, 4.938 mi. earthwork, from Lamar north and south, 17,960 cu. yds. earth and rock excavation; Route 25, Sec. 29, Cape Girardeau County, 2 sections from Jackson north and south; 3.521 mi. 9-ft. concrete, 7-ft. gravel, 4169 sq. yds. concrete pavement, 5360 sq. yds. gravel; 3.521 mi. earthwork, 23,851 cu. yds. earth excavation; Route 21, Sec. 27, Reynolds County, 3.967 mi. 26-ft. graded earth, from Ellington, north, 71,678 cu. yds. earth and rock excavation; B. H. Piepmeier, Ch. Engr.

Missouri—State Highway Dept., Jefferson City will receive bids June 24 for 22 road projects as follows: State Aid Project, Route 21, Reynolds County, 2 sections from Ironton to Van Buren; Sec. 26, 3.907 mi., 260 ft. graded earth, 35,949 cu. yds. earth and rock excavation; Sec. 27, 3.967 mi. 26-ft. graded earth, 72,378 cu. yds. earth and rock excavation; Route 39, Sec. 14, Dade County, 1.744 mi. 26-ft. graded earth from South Greenfield to Pennsboro, 22,346 cu. yds. earth and rock excavation; Jefferson County, 4 sections from St. Louis to Jackson; No. 185-H, 4.095 mi. 30-ft. graded earth, 34,213 cu. yds. earth and rock excavation; 184-D, 4.709 mi. 30-ft. graded earth, 76,598 cu. yds. earth and rock excavation; 185-E, 4.903 mi. 30-ft. graded earth, 76,652 cu. yds. earth and rock excavation; 185-F, 4.717 mi. 30-ft. graded earth, 37,904 cu. yds. earth excavation.

Route 126-B, Audrain County, 3.835 mi. 18-ft. gravel from Mexico east, 24,214 cu. yds. earth excavation; 40,420 sq. yds. gravel surfacing; Federal and State Aid Project No. 74-B, Cedar County, 5 mi. 12-ft. gravel from Stockton north and south, 35,468 sq. yds. gravel surfacing; St. Francois County, 4 sections from St. Louis to Jackson; No. 254-A, 4.474 mi. 30-ft. graded earth, 45,775 cu. yds. earth and rock excavation; 254-B, 4.347 mi. 30-ft. graded earth, 45,775 cu. yds. earth and rock excavation; 254-C, 4.053 mi. 30-ft. graded earth, 46,585 cu. yds. earth and rock excavation; 185-D, 3.845 mi. graded earth, 24,450 cu. yds. earth and rock excavation; Route 6, Sec. 5, De Kalb County, 4.507 mi. 30-ft. graded earth, from Maysville to Clarksdale, 52,534 cu. yds. earth excavation; No. 74-C, Cedar County, 4.621 mi. 12-ft. gravel from Stockton north and south, 32,758 sq. yds. gravel surfacing.

Route 55, Sec. 8, Mississippi County, 2.185 mi. 16-ft. gravel, from Charleston north and south, 14,108 cu. yds. earth excavation; 20,480 sq. yds. gravel surfacing; Bates County, 2 sections from Amoret to Appleton City; 260-A, 4.496 mi. 26-ft. earth work, 40,645 cu. yds. earth and rock excavation; 260-B, 4.237 mi. 26-ft. graded earth, 28,760 cu. yds. earth and rock excavation; Douglas County, 2 sections, from Ava north and south; Route 5, Sec. 91, 3.03 mi. 12-ft. gravel, 2000 cu. yds. earth excavation; 21,673 sq. yds. gravel surfacing; Sec. 94-A, 3.566 mi. 12-ft. gravel, 2000 cu. yds. earth excavation; 26,336 sq. yds. gravel surfacing; Route 12, Sec. 43-A, Gasconade County, 1.108 mi. 16-ft. gravel, from Jefferson City to St. Louis, 10,228 sq. yds. gravel surfacing; No. 170-A, Barton County, 4.938 mi. concrete from Lamar north and south, 4,9150 sq. yds. concrete pavement; B. H. Piepmeier, Ch. Engr.

Mo., Cape Girardeau—City will receive bids

this week to grade, curb and pave Park Ave., from Broadway to Normal Ave.; Broadway from West End Blvd., to West End city limits; Sprigg St. from Broadway to Themis; plans, etc., from A. P. Behrens, City Clk.

Mo., Charleston—City let contract to Regenhart Construction Co., Cape Girardeau, for street paving and sewer improvements; cost about \$30,000.*

Mo., Chillicothe—City let contract to W. O. Galbreath, Chillicothe, to pave 22 streets with tarvia and concrete.*

Mo., Fulton—City plans paving with brick 3 blocks in downtown district and laying about 3 mi. street curbing and grading. Address The Mayor.

Mo., Kansas City—Board of Public Works plans paving with plain concrete Agnes St. from Fifty-fifth to Fifty-sixth; Belmont from Sixteenth to Hughes; College from Forty-fourth to Forty-third; Forty-sixth from Wyoming to Holly; Fifty-fifth from Agnes to Bellefontaine; Kenwood from Sixtieth to Sixty-first; Mersington from Sixteenth to Seventeenth; Michigan from Fifty-first to Fifty-third; Olive from Fifty-seventh to Fifty-ninth; Park from Fifty-seventh to Fifty-eighth; Perry from Fremont to Bennington; South Benton from Seventy-second to Seventy-third; Sixty-first from Rockhill to Troost; Seventy-second from Main to Grand; with bituminous macadam, Monroe from Sixty-ninth to Seventieth; Seventy-seventh Terrace from Brooklyn to Prospect.

Mo., St. Charles—City let contract to Henry Werminghaus, at \$28,590, to scarify, shape, place limestone screening, roll, oil and generally improve certain streets. Address The Mayor.

Mo., St. Louis—Board of Public Service will receive bids July 1 to improve following streets: Indiana from Chippewa south; Plateau from Forest to McCausland; Blow from Gravois to McDermott and Hayden's Hildensheim; Twenty-Fifth from St. Louis to Palm; Ohio, from Osage to Keokuk; Gasconade and Dewey from Grand to Meramec; Warrenite bitulithic pavement; Enright from Belt to Clara, bitulithic pavement.

Mo., Sedalia—City plans paving Broadway from Engineer to Emmett, and also to grade and pave with concrete Fourth St. from Lamine to Thompson. Address The Mayor.

N. C., Ronda—City plans laying cement sidewalks and paving to width of 30-ft. Second St. from Yadkin River Bridge to Main St.; Main from Second to Church, and Church St. to Baptist Church. Address The Mayor.

N. C., Salisbury—Board of Aldermen will receive bids June 26 for 30,500 sq. yd. sheet asphalt, bitulithic, asphaltic concrete on concrete foundations; 13,000 sq. yd. concrete paving with necessary curbing, drains, excavations, etc.; plans, etc., from E. W. Cole, Engr., Salisbury; C. M. Henderlite, Mayor; C. G. Wells, Clk.

Okla., Chandler—Lincoln county plans building three roads: Through Wellston, Chandler, Davenport and Stroud; another through Meeker, Chandler and Agra, and third through Meeker and Prague; votes this week on \$990,000 bonds. Address County Commrs.*

Okla., Durant—Bryan County plans expending \$360,000 to build new roads and resurface other roads; federal aid to match this amount to resurface with asphalt 81 mi. hard surfaced road in County, and state aid will be secured to build 2 roads as follows: 6 mi. highway connecting town of Kenefic with Durant; highway into southeastern part of County, connecting five towns with Durant. Address County Commrs.

Okla., McAlester—City plans grading and paving six blocks on Jackson and Monroe Aves.; 7100 sq. yds. concrete; cost \$28,000; F. Frazier, Engr.

S. C., Darlington—Darlington County Board of Directors let contract to Hendricks & Kennedy, Union, S. C., at \$12,000 for 1.748 mi. sand-clay road, State Route No. 41, from end of Project No. 226-B to Chesterfield County line.*

S. C., Edgefield—Edgefield County Highway Comm., will receive bids June 24 for 5.191 mi. State Route No. 21, from Edgefield to Survey Station 263 and 86.8, beginning of Federal Aid Project No. 240-B; 25,997 cu. yd. common excavation; 12,818 cu. yd. sand-Federal Aid Project No. 240-A; plans, etc., clay surfacing; 11,860 lbs. reinforced steel; from State Highway Engr., Columbia, S. C.

S. C., Greenville—City plans expending \$22,000 to repair various streets, including Buncombe and West Washington Sts. Address The Mayor.

S. C., Greenwood—Greenwood County Highway Comm., will receive bids June 27 for 7.81 mi. State Route No. 7, from city limits of Greenwood to Saluda Bridge Federal Aid Project No. 233, 70,800 cu. yd. common and rock excavation; 24,300 cu. yd. top-soil surfacing; 15,000 lbs. reinforcing steel; also 220-ft. reinforced concrete bridge, 58,660 lbs. reinforcing steel; 440 sq. yd. paving; Federal Aid Project No. 236; plans, etc., from E. D. Sloan, Div. Engr., Court House, Greenville, S. C., and State Highway Engr., Columbia.

S. C., Laurens—Laurens County Highway Comm., will receive bids June 26 for 10.196 mi. State Route No. 7, from end of Puckett's Ferry Bridge, Federal Aid Project No. 238, to Survey Station 534 and 00, near Mountville; 100,000 cu. yd. common and rock excavation; 31,924 cu. yd. top-soil surfacing; 47,000 lbs. steel reinforcement; also 110-ft. reinforced concrete bridge, 35,940 lbs. reinforcing steel; 264 sq. yd. paving; Federal Aid Project No. 237; plans, etc., from E. D. Sloan, Div. Engr., Greenville, and State Highway Engr., Columbia, S. C.

S. C., Sumter—Sumter County Permanent Road Comm. let contract to Pritchard, Raines & Hazelhurst, at \$142,145, to pave 4.176 mi. Stateburg road.*

S. C., Walterboro—Details under Bridges, Culverts, Viaducts.

Tenn., Alton Park, P. O. Chattanooga—City Commrs. plan curbing and guttering Highland Ave. between Forty-sixth and Forty-seventh Sts.

Tenn., Dyersburg—State Highway Dept., Nashville, plans building Bonicord and Friendship road out of Dyersburg, being part of intercounty highway to be built by state aid from Jackson to Dyersburg.

Tenn., Rogersville—Hawkins County plans 11 mi. hard surfaced road on Lonesome Pine Trail from Rogersville to Pressmen's home via Alum Well; contemplates \$75,000 bond issue. Address County Commrs.*

Tex., Bastrop—State Highway Dept., Austin, Tex., let contract to Perkins & Perkins, to macadamize street leading from new concrete bridge across Colorado River to depot, on Highway No. 3A.

Tex., Batesville—Zavalla County, Road Dist. No. 1, plans highway from Frio County line to La Pryor, via Batesville; voted \$125,000 bonds; N. B. Hunt, County Judge.*

Tex., Bellville—Austin County plans 17.5 mi. 18-ft. wide concrete pavement on State Highway No. 36, Road Dist. No. 4, from Mill Creek to Washington County line, estimated cost \$625,000; Herbert Schroeter, County Engr., Wallis; W. I. Hill, County Judge, Bellville.

Tex., Brady—City contemplates paving square and several adjoining streets. Address The Mayor.

Tex., Comanche—Comanche County, Road Dist. No. 5, plans road building; voted \$50,000 bonds. Address County Commrs.

Tex., Corsicana—City will receive bids this week to pave W. Fourth Ave. from Thirtieth to Thirty-First St., vertical fibre brick, asphalt filler; asphaltic concrete, fine and coarse aggregate; sheet asphalt; Uvalde rock asphalt; limestone rock asphalt; Warrenite bitulithic; Portland cement concrete; granited concrete; Willite; Amiesite; asphalt macadam, direct penetration and inverted penetration; rawhide; 1000 sq. yds. paving; 600 lin. ft. curb and gutter; 670 cu. yds. excavation; plans, etc., from Wm. W. McClendon, City Engr.; John Harper, City Sec.

Tex., Carrizo Springs—Dimmitt county let contract to Evans & Greathouse, Austin, at \$59,595, for 12.58 mi. gravel State Highway No. 85, State Aid Project No. 483.*

Tex., El Paso—El Paso County plans 74.5 mi. State Highway No. 1, from Hudspeth County line to New Mexico State line, Federal Aid Project No. 439, estimated cost \$801,240; Fred Wilson, County Engr.; E. B. McClintock, County Judge.

Tex., Fairfield—Freestone County plans 6.58 mi. 18-ft. concrete pavement on State Highway No. 7, from point 3 mi. east of Teague to Fairfield, estimated cost \$250,850; J. E. Johnson, County Engr.; J. F. Roper, County Judge.

Tex., Franklin—Robertson County plans 11.96 mi. 16-ft. gravel on State Highway No. 6, Franklin-Benahly road, Federal Aid Project No. 401-A, estimated cost \$122,617; Federal aid \$54,000; L. A. Peterman, County Engr., Hearne; Joe Reid, County Judge; Franklin.

Tex., Georgetown—Williamson County will receive bids July 16 at office of H. A. Hodges, County Auditor, to reconstruct 14.7 mi. State Highway No. 2, between Georgetown and Bell County line, Federal Aid Project No. 140-C; M. C. Welborn, Res. Engr.; F. D. Love, County Judge.

Tex., George West—Live Oak County, Live Oak Road Dist. No. 8, plans highway toward Rio Grande Valley; voted \$568,000 bonds. Address County Commrs., Three Rivers, Tex.

Tex., Groveton—Trinity County plans road building in Road Dist. No. 1; will vote July 12 on \$60,000 bonds; F. J. Berry, County Judge.

Tex., Houston—City plans permanent paving, voted \$500,000 bonds; gravel paving, voted \$200,000 bonds; O. F. Holcombe, Mayor.*

Tex., Jacksonville—City plans street improvement; will vote June 23 on \$100,000 bonds; H. N. Roberts, Consult. Engr., Lubbock, Tex.

Tex., Jasper—Jasper County will receive bids soon for 9.10 mi. 16-ft. gravel road on State Highway No. 8, from Buna at intersection with State Highway No. 62, through Evadale to Neches River, approximate cost \$132,000; C. P. Hunter, County Engr.; A. L. Hancock, County Judge.

Tex., Jasper—Jasper county plans road building in Road Dist. No. 3; will vote June 21 on \$250,000 bonds; H. P. Hunter, County Engr.; A. L. Hancock, County Judge.

Tex., Karnes City—Karnes county plans 9 mi. road in Road Dist. No. 5; will vote June 28 on \$125,000 bonds; O. N. Powell, County Engr., Kennedy; H. R. Sutherland, County Judge, Karnes City.

Tex., Memphis—Hall County, Road Dist. No. 2, plans road building; voted \$30,000 bonds. Address County Commrs.

Tex., Normangee—Leon County plans road

building; will vote this week on \$150,000 bonds. Address County Commrs.

Tex., Refugio—Refugio County, Austwell Precinct, plans road building; voted \$375,000 bonds. Address County Commrs.

Tex., Rocksprings—Edwards County will receive bids July 9 for 9.77 mi. State Highway No. 41, from Bishop Gate to Val Verde County line, 57,095.5 cu. yd. solid rock, loose rock and roadway excavation; W. E. Simpson, County Engr., National Bank of Commerce Bldg., San Antonio; A. P. Allison, County Judge.

Tex., Roscoe—Nolan County will receive bids July 7 to pave with 3-in. brick and asphalt filler on 5-in. concrete base, Cypress and First Sts., being sections of State Highways Nos. 1 and 7; 52-ft. wide, 18-ft. to be paved by County and State and balance by city of Roscoe and abutting property owners, 989.8 cu. yd. roadway excavation; 2940 sq. yd. pavement; Jullan Montgomery, Consol. Engr., Roscoe; J. A. Focht, County Engr., Sweetwater.

Tex., San Antonio—Bexar County plans re-treating with bituminous surfacing, 6 mi. State Highway No. 9, Fredericksburg road, estimated cost \$20,000; A. C. Pancoast, County Engr.; Augustus McCloskey, County Judge.

Tex., Temple—City Comm. will receive bids about July 14 for 50,000 sq. yd. paving and 33,000 lin. ft. curb and gutter, concrete or bitulithic; H. J. Graesser, Engr.*

Tex., Vernon—Wilbarger County plans building 2 roads as follows: 5.25 mi. 18-ft. concrete pavement on State Highway No. 5, from Harrold to Wichita County line, estimated cost \$190,000; 6.84 mi. 18-ft. concrete pavement on State Highway No. 5, between Oklaunion and Harrold, estimated cost \$246,000; John B. Nabors, County Engr.; O. T. Warlick, County Judge.

Tex., Vernon—Wilbarger County plans 5 mi 16-ft. concrete pavement on State Highway No. 28 between Oklaunion and Red River, estimated cost \$180,000; John B. Nabors, County Engr.; O. T. Warlick, County Judge.

Tex., Waxahachie—Ellis County let contracts to grade 6 lateral roads in Road Dist. No. 1, as follows: To I. H. Parten, Marlin, at 14 7/8 cents per cu. yd. each, for Brodhead and Boyce roads; to Hill, Wilson & Watson, Dallas at 14 7/8 cents per cu. yd. for Nash road, and at 15 cents per cu. yd. for Five Points and Box roads; Fred Griffin, Paris, Tex., at 15 cents per cu. yd. for Buena Vista road.*

Va., Fort Myer Heights—Arlington County, Board of Supvrs., let contract to Corson & Grummers, at \$26,666, for .9 mi. Braddock road to connect with Leesburg road in Jefferson Dist.*

Va., Fort Myer Heights—Capt. John T. Talman, Supt. of Arlington County road, Clarendon, plans improving road through Rosslyn and connecting with government road in rear of Arlington Cemetery.

Va., Norfolk—City will receive bids this week to furnish materials and labor to pave following streets in Newton Place: Center Ave. from point near bridge to eastern end; Poplar Ave. from Indian River road to Euclid Ave., 7350 sq. yd. sheet asphalt; certain drives in Lafayette Park, 10,000 sq. yd. penetration macadam; plans, etc., from W. H. Taylor, 3rd, Director of Public Works.

Va., Richmond—Details under Land Developments.

Va., Richmond—Henrico County, Tuckahoe Dist., plans road building; will vote this week on \$175,000 bonds. Address County Commrs.

Va., Virginia Beach—Details under Land Developments.

W. Va., Fairmont—City plans street improvements; will vote July 22 on \$400,000 bonds; Albert J. Kern, Clk.*

W. Va., Princeton—City plans street and sewer improvements; voted \$100,000 bonds. Address the Mayor.*

W. Va., Huntington—Details under Miscellaneous Construction.

W. Va., Milton—City plans paving 6 streets, including Main, Church, Washington, etc.; voted \$52,000 bonds. Address The Mayor.

W. Va., Union—State Road Comm., Charleston and Monroe County Court will receive bids this week to pave and surface with bituminous macadam 2.2 mi. road from Town of Alderson to Wolf Creek; plans, etc., from State Road Comm.; E. B. Carskadon, Sec.; Shelton Clark, Clk. of Monroe County Court.

W. Va., Wheeling—Board of Directors of Oakmont Improvement Co., 703 National Bank Bldg., will receive bids June 30 to furnish material and labor for 16,850 sq. yd. 7-in. reinforced concrete pavement; 10,000 lin. ft. integral concrete curb; 35,700 sq. ft. concrete sidewalk; plans, etc., from C. H. Dowler, Pres.; Conrad & Pugh, Engrs., Wheeling.

W. Va., Williamson—Mingo County Court will receive bids July 8 to grade and construct drainage structures on 12.3 mi. Williamson-Matewan road, from Sta. 0 plus 00 at east city limits of Williamson to Sta. 651 plus 00 in Matewan, 104,000 cu. yds. unclassified gravel borrow and structure excavation; 5000 lbs. reinforcing steel; Projects 23 and 29; plans, etc., from J. R. Hunt, County Road Engr.

W. Va., Williamson—Mingo County will receive bids July 8 to construct drainage structures to width of 18-ft. 9 mi. Beech Creek road from Sta. 441-75 at head of Beech Creek to Sta. 915-50 at Devon, Project No. 30; 16,500 cu. yd. excavation—borrow and structure; 8000 lbs. reinforcing steel; plans, etc., from J. R. Hunt, County Road Engr.

Sewer Construction

Ala., Boyles, Branch Birmingham—Detail under Land Developments.

Ala., Capitol Hill—City, J. W. Heustess, Mayor, let contract at approximately \$60,000 to Sullivan, Long & Haggerty Construction Co., Bessemer, Ala., to construct sewers on principal streets.*

Ark., Little Rock—Walter J. Terry, Chrmn. Committee to investigate installing sewer system in Pulaski Heights; James H. Rice, City Engr.

Fla., Cocoa—Details under Land Developments.

Fla., Homestead—Details under Water Works.

Fla., Melbourne—Details under Water Works.

Fla., Miami—Details under Land Developments.

Fla., Pensacola—Details under Land Developments.

Fla., Sarasota—Details under Land Developments.

Fla., St. Petersburg—Director of Finance opens bids June 30 to construct extension to North Shore sanitary sewer, approximately 690 ft. of 8-in. and 144 ft. of 6-in. vitrified sewer pipe, twenty four 6x8 Y's, 3 manholes.

Fla., St. Petersburg—Ernest Kitchen, Director of Public Works, will expend \$54,000 for construction of 38-ft., sanitary sewer; \$160,000 for storm water drains \$8000 for pumping equipment for sanitary sewer.*

La., Coshatt—City, S. C. McLemore, Clk.,

let contract to McEachin & McEachin, Southern Trust Bldg., Little Rock, Ark., for sewers and water works.*

La., Monroe—Details under Road and Street Construction.

Miss., Natchez—City, Luther A. Whittington, Mayor, lately noted to open bids for sewer extension June 10, will readvertise for bids; Henry A. Mentz, Consol. Engr., Magnolia, Miss.*

Mo., Charleston—City let contract to Regenhart Construction Co., Cape Girardeau, Mo., for sewer and paving; cost \$30,000.*

Mo., St. Louis—Board of Public Works, Room 208, will receive bids July 1 to construct 5500 ft. of 10 to 24-in. vitrified clay sewer in Galisa Creek Dist. sewer, 540 ft. of reinforced concrete pipe; W. W. Horner, City Engr.

N. C., Stantonsburg—City, O. G. Speel, Clk., votes June 20 on \$35,000 sewer bonds.

Tex., Conroe—City votes June 27 on \$45,000 bonds. Address The Mayor.*

Tex., Dallas—City is planning to construct 8 mi. vitrified sewer in White Rock Creek; E. A. Kingsley, City Engr.

Tex., Houston—Charles K. Horton, 2202 Clay St., has contract at \$15,000 for sewer in Hermann Park.

Tex., Houston—City voted \$350,000 bonds for drainage sewers and \$150,000 for sanitary sewers; O. F. Holcombe, Mayor.*

Tex., Lufkin—Details under Water Works.

Va., Richmond—Details under Land Developments.

Va., Virginia Beach—Details under Land Developments.

W. Va., Fairmont—City votes July 22 on \$50,000 sewer bonds and \$30,000 incinerator bonds. Address The Mayor.

W. Va., Morgantown—City, G. H. Balyes, City Mgr., will vote June 26 on \$150,000 bonds for sewer system.*

W. Va., Princeton—City voted \$100,000 bonds for sewer and street improvements. Address The Mayor.*

W. Va., Wheeling—Details under Land Developments.

Telephone Systems

Fla., Miami—Details under Land Developments.

Md., Baltimore—Chesapeake & Potomac Telephone Co., Geo. H. Warren, Div., Mgr., 5 Light St., has acquired site on Bloomsbury Ave. near Frederick Ave., will erect exchange building.

N. C., Durham—Fish Dam Telephone Co. incorporated with W. W. Fletcher, Pres.; S. M. Sutt, Sec.-Treas.; operates telephone system in the Fish Dam section of Durham County.

Tex., Tomball—Tomball Telephone Co. increased capital from \$5000 to \$10,000.

Textile Mills

N. C., Monroe—Monroe Mills Co. organized by C. W. and R. H. Johnson and R. A. Morrow; reorganization of Bear Skin Cotton Mills.

N. C., Wilkesboro—Yadkin Cotton Mills, Inc., capital \$200,000, incorporated by R. D. Grier, W. C. Grier and Katie C. Grier.

Tenn., Johnson City—Gloria Textile Corporation, 105 Madison Ave., New York, John S. Boyd of John S. Boyd Co., Williamston, Mass., Pres.; Albert Stirn of L. & E. Stirn, 105 Madison Ave., New York, Sec.; is having plans and specifications prepared by Lockwood, Greene & Co., Charlotte, N. C., for weave mill for ladies' dress goods; later plan erection of spinning mill and finishing plant.*

Tex., Fort Worth—Worth Mills, Lloyd H. McKee, Pres., 1501 Cooper St., has awarded contract to Thomas S. Byrne, Fort Worth Natl. Bank Bldg., to erect buildings for 22,000 spindle mill to manufacture cord tire fabrics; cost of structures \$200,000; main building 218x145 ft., 3 stories, brick and steel, 16 ft. ceilings; also picker houses and store houses; Chas. T. Main, Engr., 201 Devonshire, Boston, Mass.*

Va., Hopewell—Tubize Artificial Silk Co. reported to erect \$100,000 additional building for handling cotton.

Water Works

Ala., Boyles, Branch Birmingham—Details under Land Developments.

Fla., Cocoa—Details under Land Developments.

Fla., Coconut Grove—City will construct water plant to consist of pumping station several concrete reservoirs and minor buildings, tentative daily estimated capacity 500,000 gals.; will install motor or engine driven centrifugal pumps and air compressors, have not had plans and specifications prepared; Geo. A. Main, Consol. Engr., 14 Baker St., Daytona.* (See Machinery Wanted—Drive Gear; Water Softening Plant.)

Fla., Homestead—City will vote July 8 on \$235,000 bonds for water works and sewer system. Address The Mayor.

Fla., Lake City—City votes June 24 on \$35,000 bonds for extending water works. C. R. Horn, City Engr.

Fla., Melbourne—City, Joseph Masch, Clk., voted following bond issues: \$75,000 for water works; \$30,000 for sewers; \$15,000 for new buildings; \$35,000 for city park and \$10,000 for additional paving.

Fla., Miami—City let contract to Pittsburgh-Des Moines Steel Co., Pittsburgh, Pa., to construct 2 water storage tanks at N. W. Thirty-sixth St. and Seventh Ave.; capacity 2,500,000 gals. each; cost \$70,975.*

Fla., Miami—Sunny Isles Water Co. let contract to Water Engineer Maine of Daytona, Fla., for installing water softening plant for supplying water to Fulford; will also install storage tank with capacity of 100,000 gals.

Fla., Miami—Details under Land Developments.

Fla., Pensacola—Details under Land Developments.

Fla., Sarasota—Details under Land Developments.

Fla., Tampa—Details under Land Developments.

Ga., Dawson—City votes July 11 on \$40,000 bonds for installing water mains. Address The Mayor.

Ky., Central City—Central Gas & Water Co. organized by Lon Stewart, Lucien Miller and others, lately noted as having acquired water and gas plant, will construct new reservoir.

La., Coshatt—Details under Sewer Construction.

La., De Ridder—City Council is having plans prepared by Henry A. Mentz, Consol. Engr., Magnolia, Miss., for municipal pumping plant with capacity of approximately 1,500,000 gal. daily, and other water-works improvements.*

La., Oak Grove—City will expend \$45,000 for new water works system; address D. L. Morgan.*

Md., Baltimore—Board of Awards let contract to D. W. Glass, 2000 30th St., for Contract 213, including cast iron pipe lines, sludge pumping station and sludge well, etc.

Md., Oxford—City voted \$40,000 bonds for water-works system. Address The Mayor.

Miss., Natchez—Water Commrs., Chas. Brassfield, Chrm., have selected Henry A. Mentz, Consol. Engr., Magnolia, Miss., to prepare plans and specifications for 500,000 gal. elevated water storage, duplicate main arteries to distributing system.*

Mo., Buffalo—City will vote on \$40,000 bonds for water works; Russell & Axon, Engrs., Springfield, Mo.

Mo., Charleston—City is making preliminary plans for 100,000 gal. steel tank on tower, additional pumping equipment, etc.; L. T. Bertha, City Hall, Engr.

Mo., Poplar Bluff—City will vote on \$15,000 bonds for construction of filtration plant. Address The Mayor.

Mo., Portageville—City plans calling new election to vote on \$40,000 bonds for water works and distribution; A. C. Moore, Engr., Joplin, Mo.

Mo., Washington—City plans voting on \$60,000 bonds for water works, including 250,000 gal. tank on tower, pumps and several miles of cast iron mains, etc.; W. B. Rollins & Co., Engrs., Exchange Bldg., Kansas City.

N. C., Durham—City let contract for laying water line from Trinity Ave. to the county home, cost approximately \$26,000. Address The Mayor.

N. C., Stantonsburg—City, O. G. Speel, Clk., votes June 20 on bonds for constructing water works.

Okla., Muskogee—City will vote on \$100,000 bonds for filtration plant. Address The Mayor.

Okla., Oklahoma City—City let contract to A. A. Davis, 301 W. 19th St., Oklahoma City, for rip-rapping and earth work on city dam project; cost \$74,132.*

Okla., Ramona—City will improve water works system; \$20,000 available; Charley Coonrad in charge of work.

Okla., Seminole—City is having preliminary surveys made for water works, including well, tower, valves, etc.; cost \$40,000; Ganitt-Baker, Engrs., First National Bank Bldg., Oklahoma City.

Okla., Texola—Details under Electric Light and Power Plants.

Tenn., Harriman—City votes June 19 on \$40,000 water-works bonds. Address The Mayor.

Tex., Claude—Details under Electric Light and Power Plants.

Tex., Lufkin—City will vote on \$125,000 bonds for extending water and sewer. Address The Mayor.

Tex., Whitney—City will construct water works system; Municipal Engineering Co., Praetorian Bldg., Engrs., Dallas, Tex.

Va., Portsmouth—City voted \$250,000 bonds for water; J. P. Jervey, City Mgr.

Va., Richmond—Details under Land Development.

Va., Roanoke—Roanoke Water Works Co., 20 Salem Ave. S. E., Roanoke, Va., will receive bids July 15 to construct dam on Beaver Dam Creek; construction involves dam impounding 425,000,000 gals. of water and handling about 50,000 cu. yds. of material.

Va., Virginia Beach—Details under Land Developments.

Va., Virginia Beach—City voted \$75,000 water works bonds. Address The Mayor.

W. Va., Elm Grove, Branch Wheeling—

City, J. S. Butts, City Mgr., reported to construct booster pumping station.

W. Va., Morgantown—West Virginia Utilities Co., 50 Pine St., New York, through municipality of Sabraton has been granted 50-year franchise to construct and operate water works.*

W. Va., Wayne—Water Works Committ. receives bids until June 20 to furnish tools, labor and material and construction of complete water supply system; Isaac Hathaway Francis, Engr., 501 Pearson Bldg., Charleston, W. Va.

W. Va., Wheeling—Details under Land Developments.

Woodworking Plants

Ky., Louisville—Louisville Pipe Organ Co., capital \$20,000, incorporated by August P. Prante, A. H. Tod and Arthur Sperlock.

Md., Baltimore—The Capital Radio Cabinet Co., H. Rudow, Pres., 901 S. Fourth St., is remodeling building for the manufacture of radio cabinets, weekly capacity from 1000 to 1500, in both standard and special sizes.

Mo., St. Louis—Atlas Sash & Door Co. incorporated by R. J. Cross, 5028 Arlington Ave.; Helen M. Cross and Grover Cleveland Cross.

Tenn., Memphis—Memphis Hardwood Flooring Co., T. M. Cathey, Pres., Bank of Commerce & Trust Bldg., reported to have purchased woodworking plant of the Larkin Co. in South Memphis; will operate.

Va., Martinsville—Carolina Steel & Iron Co., S. Elm St. Extended, Greensboro, N. C., has contract for 200 tons iron and steel for the plant of Hooker-Bassett Furniture Co.*

W. Va., Graham—Bluestone Manufacturing Co., R. J. Askew, Mgr., Morristown, Tenn., will rebuild furniture factory burned at loss of \$120,000.

FIRE DAMAGE

Ark., Marked Tree—Louton Grocery Co., Shelton & Wiggins Dry Goods Co., Ray-Causey Hardware Co., National Hotel, First National Bank; loss \$55,000.

Fla., Jacksonville—Garage owned by Wood-Hopkins, Inc., on Jesse St.; estimated loss \$20,000.

Fla., Miami—Cumberland & Liberty Mills Co.; Everglade Paper Co.; Dade Grocery Co.; Southern Oil & Supply Co.; loss \$150,000.

Ga., Savannah—J. K. Rollinson's residence, 1004 Second Ave.

Ky., Bloomfield—Warehouse of J. C. Cain & Co.

Ky., Pikesville—Residences of Jas. Mullins and K. D. Kesse, both High St.

Md., Baltimore—Archers' Laundry, Inc., Howard and Mulberry Sts.; loss \$75,000.

Miss., Gulfport—Icham Reeves' residence; loss \$10,000.

Mo., St. Louis—St. Louis Pump & Equipment Co.'s plant at Forest Park Blvd. and Spring Ave.; loss \$25,000.

N. C., Charlotte—Plant of Charlotte Herald, 32 S. College St.; estimated loss \$15,000.

N. C., Goldsboro—Utility Manufacturing Co.'s plant; loss not estimated.

Okla., Bennington—Building occupied by Odd Fellows Lodge.

S. C., Chester—W. M. McDonald's grocery store.

S. C., Chester—Julius H. Bailey's barn and stables.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

S. C., Rock Hill—Boys' dormitory, Friendship College.

Tenn., Murfreesboro—Plant of Murfreesboro News Banner; loss not estimated.

Tex., Beaumont—Rosenthal's Department Store, Alamo Block; Longes Coffee House; loss \$50,000.

Tex., Dallas—Portion of the Rudolph Liedman Building at Elm and Murphy St., occupied by I. Rude; loss \$100,000 to \$150,000.

Tex., Lamesa—Buildings of the following: Cicero Smith Lumber Co., Higginbotham-Bartlett Lumber Co., Rix Furniture Co., Simpson garage and residence, Lankford Variety Store, McDade dry goods store and others; estimated loss approximately \$500,000.

Tex., Luling—Odd Fellows' Bldg.; loss \$30,000. Address Benevolent Protective Order of Elks.

Va., Bowlers Wharf—Claybrook-Neal's canning plant; estimated loss \$15,000.

Va., Graham—Bluestone Manufacturing Co.'s plant; estimated loss \$120,000.

Va., Raven—Coal tippie of the Matz Coal Co.; loss not estimated.

W. Va., Benis—Western Maryland Railroad station, H. R. Pratt, Ch. Engr., Hillen Station, Baltimore, Md.; Post Office, address the Post Master; express and freight offices and store owned by Pocahontas Supply Co.; loss \$20,000.

W. Va., Kane's Creek—A. C. Bollinger's store building; loss \$5000.

W. Va., Logan—Stores operated by A. T. Elkins and H. Duncan; W. B. Reedy's residence and 2 residences owned by R. L. Deskins; loss \$10,000.

W. Va., Parkersburg—General Porcelain Co.'s plant; loss not estimated.

Damaged by Storm

Ky., Ida May—Plant of the Petroleum Black Co.; loss not estimated.

BUILDING NEWS

BUILDINGS PROPOSED

Association and Fraternal

Ala., Mobile—Pythian Castle Hall Assn., 158 St. Francis St., M. M. Marsh, Sec.-Treas., will remodel and renovate building, St. Francis St.; cost \$10,000.

Ala., Montgomery—Alcazar Temple, A. A. O. N. M. S., will purchase and remodel property on Washington St. for Shrine Club; David W. Crosland, Potentate.

Fla., DeLand—Ancient Free and Accepted Masons, R. H. Boyd, S. B. Wright, and others, members of Comm., plan to erect 3 or 4-story building; stores on first floor, lodge rooms above.

Mo., Kansas City—Young Men's Christian Assn., R. M. Kerr, 329 S. Jackson St.; D. R. Christie and others, members Northeast Comm. of Management, purchased site, Van Brunt Blvd. and Smart Ave. and plans to erect branch building.

S. C., Orangeburg—Ancient Free and Accepted Masons will receive bids June 25 for 3-story temple; cost \$42,000 to \$45,000, rift pine, maple and concrete floors, concrete foundation, 20-year composition roof, steam heat; J. B. Urquhart, Archt., Columbia, S. C.*

Tex., Dallas—Branch 234, Workmen's Circle, A. Landsberg, Sec., will erect lodge and club building, 1600 block Forest Ave.; 1 story, 40x88 ft., brick veneer; auditorium to seat 400, library, club quarters; F. J. Woerner & Co., Archts., Central Bank Bldg., Dallas; plans completed.

Tex., Palestine—Young Men's Christian Assn., G. E. Dilley, Chmn. of Board, plans to enlarge building and construct sidewalk.

Tex., San Antonio—Elks' Club, 225 E. Pecan St., has low bid at \$93,535 from Jay DePuy, Bedell Bldg., for alterations and additions to building, Pecan and Jefferson Sts.; other low bids as follows: Braden-Hudson, 905 S. Alamo St., plumbing, \$6800, and ventilating \$1800; A. H. Shafer, 418-20 N. St. Mary's St., heating, \$5414; Wright Bros., 122 Ave. C, electric work, \$3411; Otis Elevator Co., 124 Garden St., elevators, \$11,065; Phelps & DeWees, Archts., Gunter Bldg., all San Antonio.*

Tex., Waco—Benevolent Protective Order of Elks, Otto Fullen, Exalted Ruler, 1524

N. Fifth St., purchased residence, Columbus and 5th Sts. and will remodel and enlarge for lodge quarters; cost about \$10,000.

Bank and Office

Ala., Tarrant City—National Cast Iron Pipe Co., E. E. Linthicum, Pres., will receive bids June 28 for 45x70-ft. 2-story and basement, semi-fireproof office building; cost about \$55,000; elevator; plans and specifications from Wm. Leslie Welton, Archt., American Trust Bldg., Birmingham, Ala. Lately noted under Birmingham.*

Ark., El Dorado—Guaranty Title & Abstract Co. is ready for bids on \$40,000 fireproof office building; 2 stories; Jas. H. Bliss & Sons, Archts., A. O. U. W. Bldg., Little Rock, Ark.*

Fla., Tampa—Chas. H. Brown will erect 12-story office building, S. E. cor. Franklin and Lafayette Sts., to be occupied in part by Florida Mortgage Title & Bonding Co.; cost \$1,000,000. Mr. Brown wires: "We are not yet in position to give details of building; it will be some little time yet; we will then advise you."

Ga., Atlanta—Farrell Heating & Plumbing Co., 25 Houston St., purchased site, Harris St. near Peachtree St., and will erect office building.

Ga., Moultrie—Moultrie Banking Co., W. C. Vereen, Pres., will wreck present structure and erect brick and stone bank, store and office building; T. F. Lockwood, Archt., Columbus, Ga.; bids opened June 18.*

Md., Baltimore—Old Town National Bank, Gay and Exeter Sts., Henry O. Redue, Pres., having plans prepared by Frederic A. Fletcher, 407 N. Charles St., Baltimore, for \$500,000 bank and office building, Gay St. and Fallsaway; 6 stories and mezzanine; 30-ft. banking room 30 ft. high, safe deposit dept. in basement, 2 electric elevators; will probably soon call for bids; work to start Aug. 1.*

Mo., Joplin—Wm. Frederick, Monett, Mo., purchased Cosgrove Bldg., 3rd and Wall Sts., and will remodel and redecorate.

Okla., Tulsa—First National Bank, R. P. Brewer, Chmn. Board of Directors, will erect 10-story annex to building, 4th and Main

Sts.; cost \$500,000, exterior and interior to correspond with present structure, redecorate present banking room, install new marble and metal banking equipment, additional mechanical equipment, enlarge safe deposit dept., locker rooms and employees' quarters, etc.; steel skeleton, 45x140 ft., concrete, terrazzo and marble floors, concrete and steel foundation, hollow tile, metal doors, vaults, vault lights, ornamental terra cotta, wire glass, asbestos roof; Rush, Endacott & Rush, Archts., 101 Lorton Bldg., Tulsa.

S. C., Greenville—Chamber of Commerce, John A. Russell, Chmn. Bldg. Comm., will receive bids July 1 for 10-story office building, Main St.; cost \$250,000; brick, stone and steel; Beacham & LeGrand, Archts.; J. E. Sirrine & Co., Asso. Archts.-Engrs., both Greenville.*

Tenn., Greenville—J. A. Susong will erect 3-story office building, Main St.

Tex., Brownsville—State National Bank, J. B. Scott, Pres., will receive bids June 25 for 4-story fireproof bank and office building; 50x120 ft., cost \$75,000; Atlee B. and Robt. M. Ayres, Archts., 626-27 Bedell Bldg., San Antonio, Tex.*

Tex., Houston—Harris County Navigation Dist. will receive bids June 30 for 2-story frame office building; plans and specifications from Post Commrs., Houston.

Tex., Navasota—Citizens National Bank, W. T. Talliefero, Chmn. Bldg. Comm., will have plans completed about June 25 for erection of 2 additional stories to 3-story building; cost \$35,000, brick and stone; M. L. Waller, Archt., 317½ N. St. Marys St., San Antonio, Tex.*

Tex., Paducah—First National Bank will receive bids June 26 to remodel building, etc.; cost \$22,000, brick and frame, 25x130 ft., 2 stories, wood on joist floors, reinforced concrete foundation, interior tile, metal ceilings, vaults, vault lights, ventilators, Barrett tar and gravel roof; David S. Castle Co., Architects., 29 Radford Bldg., Abilene, Tex. Address Owner.*

Va., Martinsville—Peoples National Bank, C. B. Keese, Pres., will remodel bank building. (See Machinery Wanted—Interior Finish and Fixtures; Vault.)

Churches

Ark., Camden—First Presbyterian Church, Rev. Jos. U. Johnson, Pastor, is having plans prepared by Chas. Watts, El Dorado, Ark., for \$15,000 addition.

Ark., Little Rock—Wright Avenue Christian Church, Rev. I. Boyd Wenger, Chmn. Bldg. Comm., will probably have plans completed in a few days for main auditorium and Sunday school building to replace present structure, Wright Ave. and Park St.; latter, 3 stories with roof garden, brick and hollow tile faced with Bedford limestone, slate roof; Jas. H. Bliss & Son, Archts., A. O. U. W. Bldg., Little Rock.

Ark., Searcy—Christian Church will erect \$10,000 building. Address the Pastor.

Fla., Melbourne—Methodist Church will erect building. Address The Pastor.

Ga., Atlanta—Central Presbyterian Church, Rev. Ben R. Lacy, Jr., Pastor, 64 Park Lane, plans to erect annex, gift of Mrs. John J. Eagan.

Ga., Augusta—Presbyterian Church will erect \$25,000 building; bids opened June 16. Address The Pastor.

La., Alexandria—Calvary Baptist Church will erect building. Address The Pastor.

La., Haynesville—Baptist Church, Rev. A. J. Smith, Pastor, will erect \$0,000 building, Md., Baltimore—First Seventh Day Ad-

ventist Church will erect \$12,000 building, S. side Edgcomb Circle, E. of Pall Mall; 1 story, 48x70x22 ft., frame. Address The Pastor.

Miss., Greenwood — Presbyterian Church plans to erect brick veneer church and parsonage; cost about \$65,000. Address The Pastor.

Miss., Greenwood — Presbyterian Church will erect \$85,000 building. Address The Pastor.

Miss., Kosciusko — Methodist Episcopal Church, South, Rev. A. S. Raper, Pastor, is having plans prepared by T. L. Brodie, Age-Herald Bldg., Birmingham, Ala., for \$40,000 brick and stone building; 2 and 3 stories, 60x90 ft., concrete foundation.*

Mo., Mount Carmel—Methodist Church, P. M. Blank, N. G. Busch and L. W. Jones, interested, will erect building to replace brick structure destroyed by storm.

Mo., St. Louis—St. Cecilia's Parish, Rev. B. J. Benton, Pastor, 5404 Louisiana Ave., is having preliminary plans made by H. P. Hess, 1237 N. Taylor Ave., St. Louis, for 2-story and basement, reinforced concrete, brick, stone and terra cotta church, school, etc., on Louisiana Ave.

N. C., Gibsonville — Baptist Church plans to erect brick building. Address The Pastor.

S. C., Seneca—Seneca Baptist Church, W. P. Nimmons, member Bldg. Comm., plans to receive bids during latter part of June or first of July for rough or face brick building; 72x110x30 ft., heavy tin or slate roof, rift pine floors, H. Beauchamp, Archt., 3701 Lexington St., Dallas, Tex. Address Mr. Nimmons.*

Tex., Austin—East Avenue Baptist Church plans to erect building or remodel present structure. Address The Pastor.

Tex., Austin—Hyde Park Baptist Church plans to erect building or remodel present structure. Address The Pastor.

Tex., Austin—South Side Baptist Church, Rev. C. R. Bullock, Pastor, plans to erect brick building, S. Congress Ave. and Monroe St.; Dr. Harvey Beauchamp, Archt., Dallas, Tex.

Tex., Corsicana—First Baptist Church plans to erect building adjoining present structure. Address The Pastor.

Tex., Dallas—East Dallas M. E. Church (changed from Scandinavian M. E. Church), Rev. F. L. Hagberg, Pastor, 1512 Villars St., plans to erect auditorium.

Tex., Dallas—Pentecostal Church will erect \$30,000 building; Harre M. Bernet, Melba Bldg., Archt., Dallas.

Tex., Houston — Grace Methodist Church, Yale and 13th Sts., Houston Heights, Dr. W. C. Martin, Pastor, will remodel and erect 4x70-ft. addition to building; cost \$30,000; 3 stories; Paul G. Silber & Co., Archts., 331 Bedell Bldg., San Antonio, Tex.; E. V. Austin, Asso. Archt., Houston; plans completed.*

Tex., San Antonio—First Baptist Church, 126 Fourth St., will have plans ready within few days for bids on \$150,000 fireproof building, 4th and Taylor Sts.; 1 story, 128x128 ft., concrete frame with steel trusses, brick walls, terra cotta trim, composition and cork tile floors, pier and beam foundation, clay tile roof, ventilators, steel sash and trim; excavation under way by day labor; Will N. Noonan, Archt., Moore Bldg., San Antonio.*

Va., Lynchburg—West Lynchburg Baptist Church, Rev. P. T. Harman, Pastor, Warren Ave. and Warwick St., advises plans not yet completed for \$115,000 brick church and Sunday-school building, Eldon and Memorial Sts.; 144x98 ft., Sunday-school section 4 sto-

ries, flooring and roofing not decided, reinforced concrete foundation. Address Stanhope S. Johnson, Peoples Nat'l Bank Bldg., Archt., or G. D. Mattox, R. F. D. No. 1, both Lynchburg.*

W. Va., Huntington—Central Christian Church, 1202 Fifth Ave., plans to erect building, 5th Ave. and 11th St. Address The Pastor.

W. Va., Huntington—First Church of Christ, Scientist, John W. Chaffee, 1127 Tenth St., member, will erect building, 11th Ave. and 12th St.; R. L. & Sidney L. Day, Archts., Huntington, preparing preliminary sketches.

W. Va., Huntington—Trinity Episcopal Church, John W. Ensign, 2916 Winters Rd., member, plans to erect chapel near 16th St. South End.

City and County

Ala., Montgomery—Seating—City Commission plans to purchase new opera seats and stage scenery.

Fla., Lakeland — City Hall — Auditorium, Library, Fire and Comfort Stations, Negro Hospital, etc.—City voted \$1,069,000 bonds, including \$300,000 for municipal hospital, \$275,000 for city hall and municipal auditorium, \$75,000 for municipal library, \$40,000 for combination jail and central fire station, \$45,000 for fire station on south side and one on north side, \$10,000 for comfort station in Munn Park and \$25,000 for negro hospital. Address The Mayor.*

Fla., Melbourne—Public Buildings—City, Jos. Masch, City Clk., voted \$165,000 bonds, including \$15,000 for public buildings.

Ga., Albany—Barn—Dougherty County, A. J. Lippitt, Chmn., County Commrs., will rebuild livestock barn recently burned.

Miss., Brandon — Courthouse — Rankin County Board of Supervisors will receive bids July 7 for fireproof courthouse to replace burned structure; 2 stories, 100x60 ft., cement and tile floors, concrete foundation, hollow and interior tile, metal doors, ventilators, ornamental terra cotta, wire glass, tile roof, cost \$75,000. N. W. Overstreet, Archt., Jackson, Miss.*

N. C., Jacksonville—Home—Onslow County Board of Commrs., W. B. Vinters, Chmn., will receive bids July 7 for erection and completion of 3 buildings for county home, 1 mile from Jacksonville; separate bids for plumbing and wiring; plans on file at courthouse and may be had from Liston L. Maillard, 111 E. Gordon St., Kinston, N. C.*

S. C., Greenville — Municipal Building — Chamber of Commerce, Wm. C. Beacham, member of Comm., is interested in purchase of Textile Hall by City and conversion into city hall.

Tex., Clifton—City Hall—Auditorium—City, P. E. Schow, Mayor, will receive bids June 20 for brick and tile city hall and auditorium building; 1 story and basement, 60x80 ft.; separate bids for plumbing and wiring; plans from Wm. C. Meador, Archt., 910 Dan Waggoner Bldg., Fort Worth, Tex.*

Tex., Dallas—Comfort Station—Shelter House—Park Board will erect hollow tile and stucco comfort station and shelter house in Cole Park; 1 story, 38x51 ft.; Fooshee & Cheek, Archts., Dallas County Bank Bldg., Dallas.

Tex., Houston — Auditorium — City, O. F. Holcombe, Mayor, plans to expend \$100,000 to install new heating plant in city auditorium, repair roof, etc.

Tex., Waco—Alterations—McLellan County, W. T. Lockwood, County Auditor, will alter courthouse; bids opened June 16.

W. Va., Morgantown—Municipal Hall—

City, Mr. Bayles, City Mgr., will vote June 26 on \$750,000 bonds, including \$150,000 for municipal hall.

Dwellings

Ala., Broyles, Branch Birmingham—R. A. Walker, Vice-Pres. Estes Lumber Co.; Geo. D. Brittain, Treas. Birmingham Steel Corp., both Birmingham, and others organized company to develop 70-acre tract east of Jefferson County High School.

Ark., Little Rock—Judge Troy Lewis, A. O. U. W. Bldg., will erect brick veneer residence, 1812 Schiller St.

D. C., Washington—Mrs. Viola L. Vrooman will erect residence and garage, 5623 Colorado Ave. N. W.; brick walls, hollow tile alternate for back-up work, slate roofs, oak floors, hot water heat; drawings and specifications completed and bids will be received; O. Harvey Miller, Archt., McLachlen Bldg., Washington and Bridgewater, Va.

Fla., Babson Park—Dr. and Mrs. A. H. Stafford will develop 40-acre site on north shore of Lake Caloosa; will erect number of dwellings in addition to brick residence for personal use.

Fla., Fort Lauderdale—C. C. Ausherman will erect \$11,500 residence, Las Olas Beach; 2 stories.

Fla., Fort Lauderdale — John Schroeder will erect \$15,000 residence; Francis Louis Abren, Archt., Fort Lauderdale.

Fla., Miami—Dr. P. Glen Smith will erect \$12,000 residence in Shadow Lawn.

Fla., Miami—Herman Walta, Bldr., Fargo, N. Dak., will at once erect two \$10,000 dwellings, Natoma Park sub-division; 2 stories, concrete blocks.

Fla., Miami—D. L. Clark will erect \$10,000 two-story concrete residence and garage, S. W. 21st Rd., Holleman Park.

Fla., Miami—W. H. Pierson purchased 28 lots in Edenholmes Gardens subdivision and will erect number of concrete block and tile dwellings; cost about \$5000 each.

Fla., Miami Beach—Cauldwell & Sammons will erect \$45,000 dwelling, Pennsylvania Ave. near 9th St.

Fla., Miami Beach—Dan Hardie will erect \$45,000 residence, E. end Palm Island.

Ga., Atlanta—J. O. Anderson, 16 Kenne-saw Ave., will erect residence in Druid Hills.

Ga., Atlanta—E. H. Cox, 184 Ashby St., will erect \$10,000 residence; Edwards & Sayward, Archts., 101 Marietta St., Atlanta.

Ga., Atlanta—Mrs. B. L. Ferris will erect residence; L. S. Funke, Archt., 707 Haas Howell Bldg., Atlanta.

Ga., Atlanta—Ross Hunter, 863 Peachtree St., will erect \$12,000 residence; L. S. Funke, Archt., 707 Haas-Howell Bldg., Atlanta.

Ga., Atlanta—L. J. Spencer, 951 N. Boulevard, will erect \$10,000 residence; will probably soon receive bids; H. H. Jordan, Archt., Healey Bldg., Atlanta.

Ga., Atlanta—Dr. F. M. Sutton, 65 Forrest Ave., will erect \$16,000 residence; hollow tile and stucco; O. J. Southwell, Archt., 707 Haas-Howell Bldg., Atlanta; bids about July 1.

Ga., Macon—Dr. F. C. Davis will erect 4 frame bungalows, 140-144 Charles and 135-39 Crisp Sts.; total cost \$10,000.

Ky., Blackey—J. T. Whitaker will erect several dwellings; contract at once.

Ky., Owensboro—United States Engineer, Box 72, Louisville, Ky., reported to take bids about July 1 for 2 lockkeepers' dwellings at Dam 46, Ohio River.

La., New Orleans—Gulf Realty Co. will

erect 7 double cottages, Rex Place and First St., and 1 at First and Claiborne Sts., total cost \$13,800.

La., New Orleans—J. M. Fenlon, 606 Taylor St., will erect 2 double cottages, Taylor and Homedale Sts.; work to start in 2 or 3 months.

La., Shreveport—C. R. Minor, 539 Stoner Ave., will erect 2-story brick dwelling and garage, 2027 Fairfield Ave.; cost \$44,000.

La., New Orleans—Henry Jacobs, Canal Commercial Bldg., will erect \$15,000 frame stucco bungalow, Walnut and General Hood Sts.; Weiss & Dreyfous, Inc., Archts., Maison Blanche Bldg., New Orleans; receiving sub-bids.

Md., Baltimore—Saml. Christopher, 107 E. Hamilton St., will erect 4 concrete dwellings, N. side Franklin Ave. W. of Winthrop Ave.; 1½ stories.

Md., Baltimore—Geo. H. Geyer, 237 N. Monroe St., will erect 8 frame dwellings, Thorndale Ave. E. of Pimlico Rd.; 2 stories, 24x28x22 ft.; total cost \$20,000.

Md., Baltimore—Harry E. Rosser, Sec., Allied Construction Co., 18 E. Lexington St., will erect 3 semi-bungalows, N. E. cor. Winner and Linwood Aves.; 28x28x30 ft., total cost \$12,000.

Md., Baltimore—Royal D. Sykes, Relief Dept., B. & O. R. R., Charles and Baltimore Sts., will erect \$18,000 residence and garage, 3602 Grantley Rd.; 2½ stories, 31x35x33 ft.

Md., Baltimore—Daniel Shipley, 1104 W. 36th St., will erect number of dwellings, S. E. cor. 37th St. and Chestnut Ave.

Md., Baltimore—Bradley K. Purdum, 17 Harford Rd., will erect 4 frame bungalows, S. E. side Winthrop Ave. near Franklin Ave.; 24x34 18 ft., 1½ stories, frame; total cost about \$12,000.

Md., Cumberland—Wilbert Davis will erect brick residence, 347 Frederick St.

Md., Cumberland—Floyd L. Haines will erect double frame residence, 648 Baker St.

Mo., Columbia—H. G. Woods and T. C. Hall will erect 8-room residence, Maryland Place; J. N. Fellows, Contr., Columbia.

Mo., Harrisonville—Finis M. Volle will erect residence, 803 E. Pearl St.

Mo., Independence—A. C. Lasister will erect bungalow, 820 N. Delaware St.

Mo., Kansas City—B. A. Greene, 5905 Locust Ave., will erect \$12,000 residence, 1219 W. 60th Terrace.

Mo., Kansas City—D. S. McAllister will erect \$12,000 residence, 776 W. 50th St.

Mo., Kansas City—Chas. B. Collins, 3918 Bellefontaine St., will erect residence, 346 N. Van Brunt Blvd.

Mo., Kansas City—A. J. Daniels, 1321 Valentine Rd., will erect residence, 6546 Main St.

Mo., Kansas City—J. C. Nichols Investment Co., 4635 Mill Creek, will erect dwellings, 6541-43 Edgevale and 206-10-14-300 E. 66th Sts.; total cost \$30,000.

Mo., Kansas City—E. W. Schone, 100 Wabash Ave., will erect residence, 3346 Coleman St.

Mo., St. Joseph—Catherine McCormick will erect brick residence, 10th St. near Church St.

N. C., Winston-Salem—G. W. McCullough will erect 3 six-room dwellings, Angelo St.; total cost \$24,000.

S. C., Columbia—Frank J. Dana will erect residence; Lafaye & Lafaye, Archts., Columbia.

S. C., Columbia—Mrs. P. C. Lorick will erect residence, Hampton and Barnwell Sts.; Lafaye & Lafaye, Archts., Columbia; bids opened.

S. C., Columbia—Pertin Thompson will erect residence; Lafaye & Lafaye, Archts., Columbia.

S. C., Lake City—J. S. Spurgeon will erect brick veneer bungalow; sleeping porches; L. McD. Hicks, Archt., Florence, S. C.

S. C., Sumter—H. C. Bland will erect residence; Lafaye & Lafaye, Archts., Columbia.

Tenn., Memphis—Mrs. H. H. Scott, 387 Dickinson St., will erect English type residence, Morningside Park; 2 stories, brown clinker brick, shingle roof, 2 baths; garage and servants' room in rear; J. Frazier Smith, Goodwyn Inst. Bldg., and H. A. Burnham, Archts., Memphis; preparing plans.

Tex., Brady—F. R. Wulff has plans and specifications completed for hollow tile and brick residence; cost about \$20,000, 2 stories, 50x60 ft., hardwood floors, concrete column and beam foundation, asphalt roof, Arcola system of heating, 3 baths; Henry T. Phelps, Archt., Hicks Bldg., San Antonio, Tex.; contract not let. H. H. Richards, Brady, lately noted contractor.*

Tex., Dallas—I. J. Day will erect \$11,000 brick veneer residence, 5935 Goliad St.; 9 rooms.

Tex., Dallas—T. E. Eubanks, 202 W. Tenth St., will erect 5 brick veneer cottages, 1103-07-24 Canterbury and 1206-1223 N. Winnetka St.; total cost \$50,000.

Tex., Dallas—Garrett-Carmichael Investment Co. will erect 4 frame cottages, 5206-14-16-18 Ash Lane; 5 rooms, total cost \$10,000.

Tex., Dallas—E. H. Knott, 910 Martinique St., will erect 2 brick veneer cottages, 2213-15 Garrett St.; 6 rooms, total cost \$13,000.

Tex., Houston—Garland V. Jackson, 28117 Buena Vista St., advises he is not going to build residence soon.

Tex., Kenedy—Clem Reasoner will erect \$11,000 residence; brick veneer, 1 story, 6 rooms, metal shingles, oak floors, tile bath; Ye Plannery, Inc., Archt., Dallas, Tex.

Tex., Lubbock—Dr. M. C. Overton will erect \$16,000 residence; Peters & Haynes, Archts., Lubbock.

Tex., San Antonio—Atlee B. and Robt. M. Ayres, Archts., Bedell Bldg., San Antonio, are ready for bids, date of opening not set, on 2-story frame residence, Katherine Court, Alamo Heights, for F. T. Maessen.*

Tex., San Antonio—Geo. L. James, 222 Mary St., plans to erect residence in fall in Sunny South Addition.

Tex., San Antonio—W. T. Masterson, Alamo National Bank Bldg., will receive bids June 22 for tile and stucco or brick residence, Oakmont Addition; 2 stories and basement, 76x63 ft., slate roof; Thomson & Swaine, Archts., 1203 Southwest Life Bldg., Dallas, Tex.*

Tex., San Antonio—D. C. Millingar, 403 W. Magnolia Ave., will probably erect residence, Grammercy Place near Howard St.

Va., Richmond—Grove Avenue Crest Development Corp., A. L. McClellan, Pres., American Nat'l Bank Bldg., organized and plans to erect number of \$10,000 to \$12,000 dwellings in connection with development of 25-acre tract on Grove Ave. near Country Club of Virginia.

Government and State

Ark., Little Rock—Camp—War Department, Adjutant General's Office, Washington, D. C., will erect number of permanent concrete buildings, including kitchen, store houses, mess halls, hospital, etc., at Camp Lewis; cost about \$150,000.

W. Va., Charleston—Postoffice—Courthouse Extension—Treasury Dept., Jas. Wetmore,

Act. Supervising Archt., Washington, D. C., will receive bids July 10 for 1-story, stucco face, non-fireproof, about 82x45-ft., extension at postoffice and courthouse; drawings and specifications from Custodian at site or from office Supervising Archt.

Hospitals, Sanitariums, Etc.

Fla., Fort Lauderdale—Edwards-Maxwell Hospital, Beverly Heights, plans to erect \$16,000 addition; 12 bedrooms.

Fla., Lakeland—City voted \$1,069,000 bonds, including \$300,000 for hospital and \$25,000 for negro hospital. Address the Mayor. (See Buildings Proposed—City and County.)*

Ga., Atlanta—St. Joseph's Infirmary, 294 Courtland, plans to erect addition to building; Pringle & Smith, Archts., Atlanta Trust Co. Bldg., Atlanta.

Ky., Paducah—City Council, Alderman W. E. Cochran, Chmn., Comm. on Hospitals, Sewers and Sanitation, plans to complete annex to Riverside Hospital; X-ray room, diet kitchen, 2 new operating rooms, maternity ward and nursery.

Okla., Park Hill—Cherokee O. T. School, Jack Brown interested, will erect \$10,000 hospital.*

S. C., Columbia—State Board of Health, J. A. Hayne, M. D., Sec., will receive bids June 23 for following buildings to be erected at State Park; 28-bed infirmary; 1 story wood; 7-room residence; 1 story, brick veneer; plans and specifications from Wilson, Berryman & Kennedy, Archts., 1206 Palmetto Bldg., Columbia, and may be seen at Columbia Builders Exchange.*

Tex., Graham—R. A. Duncan is Chmn. of Board to erect \$40,000 hospital; T. J. Galbraith, Archt., Staughter Bldg., Dallas, Tex.

Hotels and Apartments

D. C., Washington—Owners of Harrington Hotel, 12th and E Sts., contemplate erecting 12-story addition.

Fla., Anna Mari—Dr. F. M. Truesdale, Winter Haven, has purchased Anglers Inn and contemplates extensive improvements, to include stuccoing of exterior and enlarging.

Fla., Fort Lauderdale—Closs & Crane, New York, will remodel Methodist Episcopal Church, North into apartment house; stores on first floor; construction begins in Sept.

Fla., Fort Lauderdale—W. G. Gray, 4836 Sheridan Road, Chicago, Ill., opened bids June 3 for erecting \$100,000 hotel; L-shape, stores on ground floor, 60 guest rooms, reinforced concrete, tile with stucco finish, Floridian type; Jno. M. Peterman, Archt., Fort Lauderdale.*

Fla., Kissimmee—The Corporation Finance Co., D. E. Neibel, Pres., 210 Orear-Leslie Bldg., 1012 Baltimore St., Kansas City, Mo., contemplates erecting hotel in connection with development at Topeliga Park. (See Buildings Proposed—Miscellaneous.)

Fla., Miami—Miamian Hotel Co., Dr. A. O. Yearian, Pres., will soon award contract for erecting 700-room, 15-story hotel, The Miamian, to be built in Fort Dallas Park; J. C. Gault, Archt., Miami.

Fla., Miami—J. Cody has purchased lot on S. W. Third St. and contemplates erecting apartment house this summer.

Fla., Miami—Dolphin Hotel Corp., incorporated with \$150,000 capital stock; R. Earl Smith, Pres. and Treas.; E. H. Threadgill, Sec.; contemplate erecting hotel.

Fla., Miami—Dr. H. H. Levitt will remodel and erect addition to apartment house; \$12,000.

Fla., Miami—Nathan Neufeld, 72 W. Wash-

ington St., Chicago, Ill., will erect 10-story hotel; first 5 stories, containing 68 rooms, to be completed by Nov. 1; first unit to cost \$200,000 exclusive of furnishings; completed hotel will contain 200 rooms; 2 stores on ground floor; reinforced concrete; has been leased for 20 years by Sol Grodzinsky, Miami, and Geo. Brown and A. Strauss, Jacksonville, Fla.; plans being completed by Pfeiffer & O'Reilly, Miami, and bids are being received.

Fla., Miami Beach—Jeff D. Gautier and W. R. Becker have plans by E. A. Nolan, Miami, for \$85,000 3-story, reinforced concrete and hollow tile, 40x130 ft. apartment building, Jefferson Ave.; 28 apartments; both will have built-in tubs and tiled walls and floors; Spanish type.

Fla., Miami Beach—Fleetwood Hotel Co. is reported to be considering plans for erecting 6 small cottages near Fleetwood Hotel; \$50,000.

Fla., St. Petersburg—Mrs. M. M. Burton will erect apartment building.

Fla., Tampa—Mrs. J. B. Moody will erect \$13,000 apartment building.

Fla., Tampa—T. W. Elarbee has purchased former home of J. Q. Brantley, 242 Plant Ave. and contemplates erecting apartment hotel on site.

Ga., Atlanta—Goldstein and Shalloway will erect \$50,000 2-story, brick veneer apartments at 622 Ponce de Leon Ave.

Ga., Atlanta—Sherwood Forest Estate, Inc., has plans in progress by G. Lloyd Preacher, Healey Bldg., Atlanta, for \$1,500,000 brick, stone, terra cotta, steel and stucco hotel.

Md., Baltimore—Co-operative Apartments Co., 323 N. Charles St., has plans by Roy G. Pratt, 323 N. Charles St., Baltimore, for \$200,000, 4-story, 8-apartment building, 102 W. 39th St., in Guilford Section.

Md., Baltimore—Leo F. Meyer, Continental Bldg. advises that contract has not been awarded for \$30,000, 2½-story and basement, 53x83 ft., brick, 4-suite apartment building, and project has been postponed for time being; Jno. Forsythe, Archt., 16 Lexington St., Baltimore. Recently reported contract awarded to Jno. Hiltz & Son, 343 St. Paul St., Baltimore.*

Md., Bay Ridge (Sta. Annapolis)—A. Z. Wilson has purchased property and contemplates erecting 150-room hotel; to be erected in 3 sections of 50 rooms each.

Miss., Starkville—Starkville Hotel Co. will receive bids July 1 for erecting 3-story, \$60,000, 105x70 ft., brick and stucco hotel; composition and tile roof, concrete foundations, cement, tile and wood floors, ornamental terra cotta, wire glass, ventilators; Page & Richie have contract for excavating; N. W. Overstreet, Archt., Jackson, Miss.*

Mo., Kansas City—McCanles Building Co. contemplates erecting \$50,000 3-story apartment building, 3020 Forest St.

Mo., Kansas City—Chas. E. Phillips, 609 Victor Bldg., has purchased S. E. corner Armour Blvd. and Tracy Ave. as site for apartment hotel.

Mo., Kansas City—Jewell Realty Co., Rialto Bldg., has plans in progress by Wilkinson & Grans, 608 Interstate Bldg., Kansas City, for 4-story apartment hotel, N. W. cor. 14th and Central Sts.; hotel lobby and storerooms on first floor and 43 apartments above; will be leased by Louis Rose.

N. C., North Wilkesboro—Call Hotel, G. W. Brott, Mgr., expects work to begin in 2 weeks on \$20,000 15-room addition.

S. C., Anderson—Community Hotel Corp. has plans in progress by Casey & Fant and J. J. Baldwin, Anderson, will award contract early in July for erecting John C. Calhoun

Hotel, to cost between \$265,000 and \$275,000; 100 rooms or more; storerooms on either side of main entrance, while space will be provided under ground floor for barber shops, etc.; Ira W. White, Anderson, has contract for grading site. Address Harry A. Orr, Chmn. building committee.*

Tenn., Chattanooga—H. D. Almazov, representing Signal Mountain Development Co., contemplates erecting 400-room hotel.

Tex., Austin—J. H. Osborne, Mgr., Avenue Hotel, is heading group of local men, contemplating erection of \$120,000 hotel, sixth and Guadalupe Sts.; C. J. Pape, Archt., Wichita Falls, Texas.*

Tex., Bay City—F. W. Steinman & Son, 516 Kyle Theater Bldg., Beaumont, are preparing plans for erecting \$100,000, brick and concrete, semi-fireproof, 3-story, 65-room hotel; concrete and tile floors; Chamber of Commerce promoting.*

Tex., Brownsville—Board of City Development Tourist Hotel Committee has completed campaign raising bonus of about \$75,000, as attraction for parties interested in erecting and operating tourist hotel of about 200 rooms.

Tex., Bryan—W. S. Howell of Howell Lumber Co. expects work to begin this month on 2-story, face brick, 77x124 ft., 12-apartment, 50-room apartment building.

Tex., Corsicana—Hotel Committee, care of C. L. Jester, Chmn., has closed contract with S. W. Libby and S. J. Thigpen, 6049 Lindell St., Dallas, for erecting 5-story, 100-room, \$300,000 hotel, North Eleventh St. and West Fifth Ave.*

Tex., Dallas—Mrs. Marie Jones contemplates erecting \$30,000 68-room, brick veneer, 15-apartment building, 4102 Bowser St.

Tex., Dallas—E. H. Knott, 910 Martinique St., contemplates erecting \$14,000 16-room, brick veneer, 4-apartment building; 4105 Hall St.

Tex., Dallas—W. W. Sanders contemplates erecting \$16,000 16-room, brick veneer, 4-apartment building, 5423-25 Ross St.

Tex., Dallas—C. A. Davis, 4605 Ash Lane, is taking bids for erecting 2-story, 86x92 ft. brick and tile apartment building, North Lancaster St.; \$150,000; C. A. Westbrook, Archt., 407 N. Bishop St., Dallas.

Tex., Houston—Barney Morton, Mgr. of Rice Hotel, contemplates placing concrete slab over swimming pool in basement and present cafeteria to be enlarged; \$45,000 to \$50,000.

Tex., Houston—C. E. Zemp contemplates erecting 16-room, \$10,000 apartment house at 2111 Freeman St.

Va., Charlottesville—Fred W. Twyman, heading campaign, has raised \$502,000 for erecting hotel.

Va., Covington—Hotel Collins contemplates 16-room addition to provide space for theater; 3-story, brick, 47x160 ft., \$35,000.

W. Va., Huntington—Ham Adams of Huntington Hotel and Arch. Stern of Hotel Metz, Bluefield have leased Western Springs Hotel property and will renovate.

W. Va., Huntington—J. J. West, 611 Ninth St., contemplates erecting 3-story building, 926-8 Sixth Ave.; stores on first floor and apartments above.

Miscellaneous

Fla., Jacksonville—Museum—Lions Club, J. R. Dunn, Pres., 18 S. Osceola St., is promoting erection of historical museum for Florida Historical Society.

Fla., Jacksonville—Fine Arts Building—Fine Arts Society, Chas. E. Langley, Pres., will be incorporated and contemplates erect-

ing 3-unit Fine Arts Building; one unit to house school of arts, rest rooms, quarters for students; second will provide concert hall, galleries and practice rooms; third will comprise municipal auditorium to seat 6000 to 8000 persons; 2 stories.

Fla., Kissimmee—The Corporation Finance Co., D. E. Neibel, Pres., 210 Orear-Leslie Bldg., 1012 Baltimore Ave., Kansas City, Mo., contemplates extensive development at Topeliga Park, including hotel, clubhouse, golf course, gymnasium, theater, community building; owners' architects and engineers attending to all matters of construction and plans.*

Fla., St. Petersburg—Resort—Noel A. Mitchell and associates have organized Neptune Amusement Co. with \$200,000 capital stock, to establish and develop resort on Gulf of Mexico, between Pass-a-Grille and Tarpon Springs.

Fla., St. Petersburg—Arcade—Bayard & Thorn will erect 2-story arcade building on site of Grand Theater and Hall Hardware Co.

Fla., Tampa—Fair Buildings—Fair Assn., W. G. Brorein, Pres., contemplates erecting pavilion, stables, etc.

Fla., Tampa—Interstate Investment Co. awarded contract to Seaboard Dredging Co., Durkee Bldg., Jacksonville, for 100,000 cu. yds. of dredging, for proposed \$3,000,000 Swann terminal project; units to be erected first include water-front building and wharf, 3-story warehouse and office building back of it, with cold storage plant at a cost of \$750,000; reinforced concrete and steel, mill construction and open joists, concrete and wood floors, metal doors, ventilators, rolling partitions, steel sash and trim, wire glass; Lockwood, Greene & Co., Engr., 1530 Healey Bldg., Atlanta, Ga.*

Fla., Tampa—Tom E. Reedy, representative of John McEntee-Bowman enterprises, is interested in erection of hotel, contemplated by group of Miami and Cuban capitalists; fireproof, seat 5000, cost \$175,000 to \$200,000.

La., New Orleans—Farm Buildings—Wm. R. Burk, Archt., Balter Bldg., opened bids for erecting dairy and milk houses as first unit of building development at Hope Haven Farms; L. F. Favret, Louisiana Bldg., New Orleans, low bidder at \$11,189 and \$11,260.*

Tenn., Chattanooga—H. D. Almazov, representing Signal Mountain Development Co. announces establishment on Signal Mountain of moving picture colony with hotel, studios, parks and administration buildings, at cost of about \$4,000,000; work on 400-room hotel and 4-story, 300x200 ft., main studio will begin within 60 days.

Mo., St. Joseph—Clubhouse—Siemens & Arnold, Archts., Bartlett Bldg., advise that proposed \$15,000 clubhouse for Lotus Club has been abandoned.*

Tenn., Nashville—Memorial—Ladies' Battlefield Park Assn. is sponsoring movement for erecting \$25,000 monument as memorial to the Battle of Nashville in 1864.

Tenn., Nashville—R. R. Ogilvie, 2206 Belmont Blvd., contemplates erecting \$10,000, 2-story, 4-room, brick building, 2113 Highland St.

Tex., Crockett—Smith Development Co. will have plans for bids in 2 weeks for 116x150 ft., brick and concrete, semi-fireproof, 1-story, \$30,000 building on Bowers Island; Atlee B. & Robt. M. Ayres, Archts., Bedell Bldg., San Antonio.

Tex., Harlingen—Clubhouse—Arroya Country Club, Wm. H. Steffins, Pres., La Feria, contemplates erecting country club on Arroyo Colorado, near Harlingen, \$60,000.

Tex., Kerrville—Clubhouse—Kerrville Country Club, Scott Schreiner, Pres., contemplates erecting \$10,000 clubhouse.

Railway Stations, Sheds, Etc.

Ark., El Dorado—Missouri Pacific R. R. Co., E. A. Hadley, Ch. Engr., St. Louis, Mo., is reported to be considering erecting depot.

Tex., Commerce—St. Louis Southwestern R. R. Co., W. S. Hanley, Ch. Engr., Tyler, Tex., and Texas Midland R. R. Co., E. H. R. Green, Pres., Terrell, Tex., are reported to contemplate erecting 1-story, concrete and brick depot.

Schools

Ala., Auburn—Alabama Polytechnic Institute, Dr. Spright Dowell, Pres., plans to begin construction this month of \$25,000 frat house.

Ala., Birmingham—Jefferson County Board of Education, Dr. N. R. Baker, Supt., will call election to vote about \$1,000,000 school bonds.

Ala., Cuba—Jno. W. Abercrombie, State Supt. of Education, Montgomery, Ala., will open bids June 23 for erecting Home Economics Building of Secondary Agricultural School.

Ala., Moulton—O. L. Judy, Cashier Bank of Moulton; W. C. Bragg, Cashier Citizens Bank, and others are building committee appointed to rebuild Lawrence County High School building, recently destroyed by fire.

Ala., Tuscaloosa—University of Alabama, Geo. H. Denny, Pres., will open bids July 2 for erecting reinforced concrete, brick and stone library and administration building; plans and specifications and forms of proposal may be obtained from Shaler C. Houser, Treas. of University; \$150,000, 116x78 ft., 3-story, copper and slab roof, concrete flooring and foundation, hollow tile, vaults, steel sash and trim; Miller & Martin, Archts., Title Bldg., Birmingham, Ala.*

Ark., Little Rock—School Board and Mayor Brickhouse discussed possible co-operation of city of Little Rock and Little Rock Special School District in securing \$1,000,000 high-school building.

Ark., Moten—Arkansas-Haygood College, Board of Trustees, contemplate erecting \$50,000 administration and class building.

Ark., Smackover—Board of Directors of Smackover Special Consolidated School District contemplate \$50,000 bond election for erecting brick school building.

Fla., Daytona—Volusia County Board of Public Instruction, Geo. W. Marks, Supt., De Land, opened bids June 19 for erecting school building; Jacob Espadahl, Archt., Daytona.

Fla., Daytona—Jas. J. Baldwin, Archt., Anderson and Gaffney, S. C., and Daytona Beach, Fla., advises that plans and specifications are now ready for bids on dining hall and 50x150-ft., 3-story dormitory for Daytona Normal and Industrial Institute; will expend \$200,000 annually for improvements; Smith G. Young, Chmn.*

Fla., Fort Lauderdale—Broward County Board of Public Instruction, J. S. Rickards, Supt., has received bids for erecting 2-story, \$40,000 12-room elementary school and 1-story, \$10,000 kindergarten; Jno. M. Peterman, Archt.; recently voted \$75,000 bonds.*

Fla., Groveland—Lake County Board of Public Instruction, F. L. Owens, Chmn., will call election June 28 to vote \$20,000 school bonds.

Fla., Little River—Bond issue of \$40,000 voted for erecting 10-room school building. Address Dade County Board of Public Instruction, Miami.

Fla., Palmetto—Manatee County Board of Education, B. D. Gullett, Supt., Bradentown, will call election to vote \$14,000 bonds for acquiring additional grounds and betterments at high school.

Fla., Summerfield—Marion County Board of Public Instruction, H. G. Shealy, Sec., Ocala, opened bids June 14 for erecting school building; Geo. McKay & Co., Archts., Ocala.

Fla., Tallahassee—Leon County Board of Public Instruction, F. S. Hartsfield, Supt., will open bids July 9 for erecting and heating graded school building; drawings and specifications may be seen at office Edwards & Sayward, Archts., 101 Marietta St., Atlanta, Ga.; office of Supt.; Builders' Exchange, Atlanta; Master Builders' Exchange, Jacksonville, or may be obtained from Archts.

Fla., Tampa—Hillsborough County Board of Public Instruction, Jesse E. Knight, Supt., opened bids June 12 for grammar school and addition to A. L. Cuesta school, and other improvements; J. W. Biggar, Archt., Tampa.

Ga., Atlanta—Board of Trustees Georgia School of Technology, N. E. Harris, Chmn., authorized expenditure of \$100,000 for erecting addition to chemistry building.

Ga., Brookhaven—DeKalb County, Cross Keys District, will issue \$40,000 bonds for erecting school building.

Ga., Edison—Board of Trustees of Edison High School opened bids June 5 for erecting three additional classrooms, toilets and auditorium, and changes to present building; T. F. Lockwood, Archt., Columbus, Ga.

Ga., Graymont-Summit—Emanuel County Institute Alumni Assn. formulated plans for calling election to vote \$50,000 bonds for new auditorium and improvements to present plant.

Ga., Hinesville—Board of Trustees of Hinesville Local school, D. F. Martin, Chmn., will open bids July 1 for erecting 1-story school building; plans and specifications may be obtained from Lloyd Greer, Archt., Valdosta, Ga.

Ky., Hazard—Perry County Board of Education will award contracts within 10 days for erecting 3 school buildings and repairs to four.

Ky., Paducah—Board of Education, Dr. Vernon Blythe, Pres., announces that pledges to stadium fund have reached \$23,500; steel and concrete, with seating capacity of 1200; D. Harry Jamieson, Archt., Paducah.

La., Baton Rouge—Senate and House Committee recommended appropriation of \$250,000 for erecting science building at State Normal School.

Md., Baltimore—Board of Awards, Mayor Howard W. Jackson, Pres., will open bids June 25 at office Fred A. Dolfield, City Register, City Hall, for repairing and painting roof cornice and down spouts at No. 61 school, Linden Ave. and Koenig St.

Md., Baltimore—Loyola College, Rev. Jos. A. McEneaney, Pres., Monument and Calvert Sts., will call for bids about July 1 for erecting alumni building and gymnasium; fireproof, brick, stone, steel and concrete, 2-story and basement and 1-story and basement, \$200,000, 40x90 ft. and 75x150 ft., composition roof, wood and concrete floors, concrete foundation, hollow tile; alumni building will contain library, lounge, smoking and billiard rooms, gymnasium and swimming pool; gymnasium will house swimming pool, shower baths, locker rooms, handball courts, team dressing rooms, trophy and college athletic committee rooms, indoor running track; Lucius R. White, Archt., Hearst Tower Bldg.; Henry Adams, Engr., Calvert Bldg.; both Baltimore.*

Md., Solomon's Island—Calvert County Bd. of Education, H. T. Ruhl, Supt., Prince Frederick, has plans in progress by Jos. M. Armstrong, Annapolis, Md., for 1-story, \$20,000, 61x115 ft., frame school building; wood and concrete floors, concrete foundations, as-

bestos roof, terra cotta flue lining, metal ceilings, metal doors, ventilators, rolling partitions, steel sash and trim, wire glass.*

Miss., Canton—Farmhaven School District voted \$15,000 bonds for erecting consolidated school building. Address Pres. Board of Trustees.

Miss., Natchez—School Board opened bids for repairs to school buildings; E. G. Parish Construction Co. low bidder at \$64,000.

Miss., Yazoo City—Yazoo County Board of Education contemplates consolidation of Union, Woodland, Brown, Cheatham, Dover and Myrleville; propose \$12,000 bond issue for erecting building.

Mo., Broseley—Broseley School District will soon vote \$15,000 bond issue for erecting high school. Address Pres. Board of Trustees.

Mo., Independence—Board of Education contemplates bond election for erecting additional school buildings.

Mo., Kahoka—Fairview School District received bids June 11 for erecting school building. Address Pres. Board of Trustees.

Mo., Kansas City—Board of Education has plans submitted by Chas. A. Smith, Finance Bldg., Kansas City, for \$1,000,000 high school to be erected at 48th St. and The Paseo.

Mo., Lebanon—Board of Education, W. H. Butts, Pres., will open bids June 20 for erecting \$60,000, 2-story, 100x90 ft., brick, stone trim, fireproof school building; Earl Hawkins & Co., Archts., McDaniel Bldg., Springfield, Mo.*

Mo., Rogersville—Board of Education opened bids June 18 for erecting 2-story addition to school building; Heckenlively & Mark, Archts., Springfield, Mo.

Mo., St. Louis—St. Cecilia's Parish, Rev. B. J. Benton, Pastor, 5404 Louisiana Ave., is having preliminary plans made by H. P. Hess, 1237 N. Taylor Ave., St. Louis, for school, Louisiana Ave. (See Buildings Proposed—Churches).*

Mo., Worland—Board of Education will open bids June 20 for school building; Wm. H. Saylor & Co., Archts., Kansas City, Mo.; recently voted \$15,000 bonds.*

N. C., Albemarle—School Board adopted tentative plans for high school building; \$200,000 bonds recently voted.*

N. C., Andrews—School Board, care Dr. W. C. Morrow, contemplates construction to start soon on \$45,000 school building.

N. C., Edenton—School Trustees will open bids June 30 for erecting 12-room addition to High School; separate bids on heating; plans and specifications may be seen at office Supt. of Schools; Builders' Exchange, Arcade Bldg., Norfolk, Va.; offices of C. Gadsden Sayre, Archt., 203 Allen Bldg., Raleigh, N. C.; Jefferson Standard Bldg., Greensboro, N. C.; Ligon-Ledbetter Bldg., Anderson, N. C.

N. C., Hickory—Catawba County Board of Education, Newton, opened bids June 16 for erecting school building in Brookford and Longview Districts; each 1-story, with auditorium; recently voted \$30,000 bonds; Q. E. Herman, Archt., Hickory.*

N. C., Madison—Rockingham County Board of Education, care of J. L. Roberts, advises that contract for \$130,000, brick and concrete high school building has not been awarded and will not be let right soon; J. W. Hopper, Archt., Leaksville, N. C. Noted to open bids May 5.*

N. C., Raleigh—Alumnae of Peace Institute have started campaign to raise \$35,000 for erecting library building and enlarging and remodeling chapel, Dr. Jno. B. Wright, Chmn. of Committee.

N. C., Raleigh—North Carolina State Col-

lege, Dr. E. C. Brooks, Pres., contemplates \$500,000 enlargement of Textile Department; Robt. M. Page, Southern Pine, N. C., Chmn. of Building Committee. Project deferred until next year.

N. C., Samarcand—Board of Directors of State Home & Industrial School for Girls will receive building construction and steam heating proposals for erecting and heating graduate building until June 23; plans may be seen at office Mrs. J. R. Page, Sec., Aberdeen, N. C., or secured from Linthicum & Linthicum, Archts., Raleigh.

N. C., Wake Forrest—Wake Forrest College Building Committee, E. W. Timberlake, Chmn., will receive bids on July 8 for installation of central heating plant; plans and specifications may be seen and estimates made without cost at offices Wilson, Berryman & Kennedy, Archts., Columbia, S. C., and Wilson, N. C.; Builders Exchanges, Columbia, S. C., and Atlanta, Ga.; Chambers of Commerce, Raleigh, Greensboro and Charlotte, N. C.; may be obtained from Archts., Columbia, S. C.

Okl., Stillwater—Oklahoma Agricultural and Mechanical College contemplates erecting athletic stadium to cost \$50,000 a section.

S. C., Bishopville—Trustees Bishopville High School, W. G. Parrott, Sec. Board, will open bids June 24 for erecting brick and frame addition; Barrett roof, wood floors; plumbing and heating will be let later; plans may be had from W. D. Harper, Archt., Florence, S. C., or seen at Builders' Exchange, Columbia, S. C.

S. C., Florence—Industrial School, John H. Martin, Supt., contemplates erecting chapel and Sunday-school rooms.

S. C., McCormick—McCormick School District voted \$35,000 school bonds. Address Pres. Board of Trustees.

S. C., Parkville—Parkville, Madoc, Clarks Hill and Meriwether Districts voted \$30,000 bonds for erecting consolidated school building in Washington District No. 25. Address McCormick County Board of Education, McCormick.*

S. C., Pendleton—School Trustees selected F. H. & J. G. Cunningham, Greenville, Archts., for 15-room and auditorium \$40,000 school building; peacock blue brick trimmed with rough stone. Address M. M. Hunter, Chmn. of Committee.*

S. C., Spartanburg—Board of Trustees contemplate erecting 22-room addition to high school; Lockwood, Greene & Co., Archts., Boston, Mass.

S. C., Spruce Pine—Board of Trustees will open bids June 24 for erecting brick veneer school building; plans and specifications may be obtained from C. G. Mitchell, Archt., Johnson City, Tenn.

Tenn., Englewood—School Board rejected all bids for erecting \$40,000 school building; will take new bids.*

Tenn., Johnson City—City Council contemplates bond election for erecting high school building.*

Tenn., Knoxville—School Board, W. E. Miller, Supt., contemplates remodeling deaf and dumb school to provide 25 additional school rooms; \$40,000.

Tenn., Knoxville—University of Tennessee will open bids June 28 for erecting girls' dormitory to be known as Sophronia Strong Hall; drawings and specifications may be obtained from Miller, Fullerwider & Dowling, Archts., 646 N. Michigan Ave., Chicago, Ill., and Thos. D. Morris, Sec. & Treas. of the university.*

Tenn., Memphis—Southwestern University, S. W. McGill, Chmn. Building Committee, will call for bids in several weeks for erect-

ing dormitories, dining hall, kitchens, etc.; Henry C. Hibbs, Archt., Fourth & First Nat'l Bank Bldg., Nashville, Tenn.*

Tenn., Nashville—Vanderbilt University will open bids June 23 for erecting Alumni Memorial Hall; following general contractors are bidding: Foster & Creighton Co., Fourth & First Bldg.; Rock City Construction Co., 150 Fourth Ave. N.; Hegeman-Harris Co., all Nashville; T. S. Moudy & Co., Chamberlain Bldg., Chattanooga, Tenn., and Southern Ferro Concrete Co., 50 E. Ellis St., Atlanta, Ga.; Henry C. Hibbs, Fourth & First Bldg., Archt., Nashville, Tenn.*

Tenn., Nashville—Davidson County Board of Education, R. D. Mills, Chmn., will open bids June 18 for erecting gymnasium and manual training building at Central High School; plans and specifications at office C. A. Ferguson, Archt., No. 63 Arcade, Nashville.

Tex., Archer City—Board of Education expects construction work to start soon on \$50,000 brick and concrete school building.

Tex., Asherton—Board of Education will open bids June 21 for remodeling brick and concrete school building; 90x160 ft., \$30,000; Henry T. Phelps, Archt., Hicks Bldg., San Antonio.

Tex., Austin—Board of Trustees have preliminary sketches by Giesecke & Harris, Austin, for \$205,000 3-story, concrete frame, brick and tile John T. Allen Senior High School; built-up roof, concrete foundation, hollow tile, interior tile, ventilators, rolling partitions.*

Tex., Conroe—Montgomery County will vote June 21 on \$11,000 bond issue for erecting school building in Common School District No. 20; address Montgomery County Board of Education, Conroe.

Tex., Crosby—Crosby School District voted \$35,000 bonds for erecting school building. Address Pres. Board of Trustees.

Tex., Enloe—Enloe Independent School District, V. B. Matkins, Sec., opened bids June 18 for erecting 2-story high school building; Wells & Wells, Archts., Terrell, Texas.

Tex., Galveston—Building Committee of Board of Trustees opened bids for erecting additions to San Jacinto and Central High School; M. C. Bowden, 1801 C St., Galveston, low bidder on Central High at \$92,624.65, and San Jacinto School at \$74,283; DeWitt & Lemmon, S. W. Life Bldg., Dallas, and Wm. B. Ittner, 911 Locust St., St. Louis, Mo., Asso. Archts.

Tex., Grapevine—School Board, O. O. Hollingsworth, Sec., opened bids June 11 for remodeling school building; Chas. F. Allen, Archt., Room 611, Dan Waggoner Bldg., Fort Worth, Tex.

Tex., Houston—City voted \$3,000,000 school bonds. Address O. F. Holcombe, Mayor.*

Tex., Houston—Trustees of Kincaid School will open bids June 20 for 1-story, \$65,000, hollow tile and stucco, 51x200 ft. school building; maple floors, cement foundation, Spanish tile roof; Wm. Ward Watkins, Archt., Scanlan Bldg., Houston.*

Tex., Lakeview—Lakeview Independent School District votes June 17 on \$14,000 school bonds.

Tex., Loudon—School Board has plans in progress by J. C. Ray, Junction and Dallas, Tex., for \$30,000 2-story school building.

Tex., Lubbock—Board of Education has plans in progress by Peters & Haynes, Lubbock, for \$125,000 high school addition and \$9000 and \$5000 ward schools.*

Tex., Nixon—Board of Trustees, J. S. Parker, Pres., has plans in progress by C. H.

Page & Bro., Austin, for 1-story, 182x162 ft., concrete and brick school building; Barrett roof, concrete foundation, concrete and wood floors, metal ceilings, ornamental terra cotta; cost of equipment \$10,000; recently voted \$60,000 bonds.

Tex., Palestine—City will vote June 20 on \$110,000 school bonds. Address Pres. School Board.

Tex., Rio Hondo—Rio Hondo Independent School District has plans in progress by Elwing & Mulhausen, San Benito, for 1-story, \$50,000, brick and tile, 16-room school building; y. p. flooring; cost of furnishings \$15,000; recently voted \$75,000 bonds.*

Va., Danville—City voted \$350,000 school bonds. Address School Board.*

Va., Radford—City Council contemplates \$30,000 bond issue for purchase of high school site, to pay for land back of East Radford school buildings and heating put in for present term.

Va., Lynchburg—School Board, E. C. Glass, Supt., has plans in progress by Heard & Chesterman, Peoples Nat'l Bank Bldg., Lynchburg, and will award contract before July 15 for Junior High School building.*

Va., Richmond—Henrico County Board of Education will call election June 24, in Varina and Fairfield Districts, to vote on bond issues of \$150,000 and \$175,000; Varina District appropriation will be divided as follows: newschool near junction of Williamsburg Road and Charles City Road, \$38,000; building at Varina, \$105,000; building at Gravel Hill, \$3500; school near Bethel, \$3500. Fairfield appropriation will be divided as follows: School at Highland Springs, \$110,000; school building purchase for Sandston Village, \$7500; addition to Woodville School, \$1000; addition school at Fair Oakes, \$10,500.

Va., Roanoke—Roanoke College Board of Trustees, Col. Jas. P. Woods, Pres., adopted 2-year program calling for erection of science hall, gymnasiums, additions to 3 buildings, establishment of \$1,000,000 endowment; plans call for erection of science hall to cost \$100,000, plans drawn and construction to start soon; gymnasium and athletic field to cost \$100,000; library building will be remodeled to serve as chapel, \$15,000; addition to Commons, \$15,000.

Va., Sweet Briar—Sweet Briar College Board of Trustees selected Cram & Ferguson, 248 Boylston St., Boston, Mass., to prepare plans for erecting dormitory and administration building, to contain science hall and class rooms.*

W. Va., Bluefield—Bluefield College Trustees contemplate erecting 3 homes and a gymnasium.

W. Va., Huntington—Stella E. Boothe Business School 1354 Fourth Ave., will occupy dormitory at 510 Tenth St. and quarters in building at Tenth St. and Fifth Ave., proposed by H. E. Hines. (See Building Proposed—Stores.)

W. Va., Mt. Clare—Grant District Board of Education, Cleveland McWharton, Pres., Lost Creek, will open bids June 30 for erecting \$25,000, 2-story and basement, 36x76 ft. brick and tile grade school addition; semi-fireproof, hardwood and concrete floors, steel sash and trim; Edw. J. Wood & Son, Archts., Lowndes Bldg., Clarksburg, W. Va.*

W. Va., Wallace—Sardis District Board of Education, A. O. Kelly, Pres., will open bids June 26 for erecting \$40,000, 2-story and basement, 57x88 ft., brick walls, wood joists,

semi-fireproof corridors high school building; hollow tile, hardwood and concrete floors, steel sash and trim; Edw. J. Wood & Son, Archts., Lowndes Bldg., Clarksburg, W. Va.*

W. Va., Wheeling—Board of Education Wheeling Independent School District, Ben E. Hamilton, Bus. Mgr., has plans in progress by F. F. Faris, Wheeling Steel Corp. Bldg., and C. W. Bates, 77 12th St., both Wheeling, for \$350,000, 3-story grade school, 37th and Woods Sts.; composition roof, maple and concrete floors, concrete foundation, interior tile, wood block floors, ventilators, steel sash and trim, wire glass. (See Machinery Wanted—Flooring (Wood Block).*)

Stores

Ala., Birmingham—Dr. W. G. Davidson contemplates erecting brick store buildings.

Fla., Melbourne—P. J. Sexton has purchased property on West Haven St. and contemplates erecting business block.

Fla., Miami—N. B. T. Roney will erect additional stores to cost \$40,000.

Fla., Miami—E. B. Douglas Co. has purchased 99-year lease on property 95x100 ft. at N. W. cor. S. E. First Ave. and First St., known as Paramount Theater property, and property adjoining, 25x100 ft., known as Hahn property; contemplates erecting business building on Paramount property with expiration of lease in 2 years; will remodel 2-story building on Hahn property after expiration of lease on October 15; plans are in progress by Kiehnel & Elliott, Miami, for erecting 4-story, 20x20 ft. building on Douglas property, recently purchased; passenger elevators.*

Ga., Atlanta—J. P. McGuire will erect \$22,000 brick store building.

Ga., Atlanta—J. K. Orr Shoe Co., 30 Auburn Ave., rejected all bids for erecting building; W. J. J. Chase, Archt., 140 Peachtree St., Atlanta.

Ga., Atlanta—Rome Manufacturing Co. has plans by Lockwood & Poundstone, Forsyth Bldg., Atlanta, for \$30,000 brick store building.

Ky., Ashland—Alex. Josselson, Catlettsburg, Ky., has drawings in progress by Tyson & Foster, Ashland, for \$100,000, reinforced concrete, 50x142.6 ft., 6-story, mezzanine and basement retail furniture building on Winchester St.; reinforced concrete foundation, terrazzo and concrete floors, composition roof, hollow tile, metal doors, vaults, vault lights, ventilators, steel sash and trim, wire glass, steam heat, 2 elevators.*

Ky., Blackey—Backey Flour & Feed Co. will erect store building; contract at once.

Ky., Whitesburg—S. T. Wright and others contemplate erecting business building; contract at once.

La., Lafayette—Henry Heymann contemplates erecting two 1-story, pressed brick buildings; 15x75 ft. each.

La., Lafayette—M. Marsiglia contemplates erecting two 2-story, tile and brick buildings; 14x40 ft. and 14x30 ft.

La., Lafayette—Mrs. J. E. Thahan contemplates erecting 1-story, pressed brick, 30x75 ft. building.

La., Lafayette—M. Y. Moore contemplates erecting three 2-story, pressed brick buildings; two 14x60 ft. and one 17x55 ft.; tile front up to second floor.

La., New Orleans—Sol Rosenthal, Archt., Balter Bldg., will open bids this week for alterations and improvements to States Bldg., 604 Canal St., to cost \$15,000, for Rapp Trunk Store.

La., New Orleans—M. Kirschman, 3060 Dauphine St., opened bids June 11 for erecting 3-story, semi-mill addition to store, Dauphine

and Clouet Sts.; \$25,000; Weiss & Dreyfous, Inc., Archts., Maison Blanche Bldg., New Orleans.

Miss., Guntown—Geo. W. Smith and B. C. McCarty contemplate erecting store building.

Mo., Kansas City—Jones Store Co., Twelfth and Main Sts., contemplates reconstruction of store building; Chas. A. Smith, Archt., Kansas City.

Mo., Kansas City—B. M. Achtenberg, 531 Scarrett Bldg., contemplates erecting 1-story store building in fall at 15th St. and Michigan Ave.

Mo., Mexico—Field Quisenberry contemplates erecting 2-story store and apartment building, North Jefferson St.

Mo., Springfield—Jno. Schmoock contemplates remodeling business building on W. Olive St.

N. C., Winston-Salem—A. C. Miller, Frank Mills and Mrs. R. S. Galloway have plans in progress by Harold Macklin, Winston-Salem, for \$80,000, fireproof, 2-story, 69x95 ft., brick, steel and concrete store building; reinforced concrete foundation, Barrett 5-ply roof, composition and concrete floors, hollow tile, interior tile, vault lights, ventilators, ornamental terra cotta, steel sash and trim, wire glass; will open bids on or about July 1.*

Tenn., Memphis—Dave Dermon, 2095 Poplar St. and Herbert Herff, 1319 Harbert St., have plans in progress by W. C. Lester, 1749 Netherwood St., Memphis, for 2-story, brick and stone stores and office building, Third St. and Court Ave.; tile roof.

Tex., Corsicana—L. T. Davis is razing 1-story brick building at Beaton St. and Third Ave. and contemplates replacing with brick business building.

Tex., Dallas—Goodnight & Patterson contemplates erecting \$12,500 brick store building, 911 S. Tyler St.

Tex., Houston—J. F. Kubela contemplates erecting 2-family apartments with store below, 1714-16 W. Webster St.; \$100,000; 8-rooms, 2 baths, frame and brick veneer with garage.

Tex., Houston—E. S. Newcombe contemplates erecting one 3-story, reinforced con-

crete and one brick and hollow tile store building, 1009 Capitol Ave.; \$128,000.

Tex., Kennedy—H. F. Payne will erect \$11,000 brick and concrete, 50x90 ft. store building on 2nd Ave.

W. Va., Huntington—H. E. Hines contemplates erecting \$50,000 2-story building at Fifth Ave. and Tenth St., to contain 6 store rooms on ground floor and offices and Stella E. Boothe, 1354 Fourth Ave., business school above building at 510 Tenth St. will be converted into dormitory for school students.

Theatres

Fla., Clearwater—Mayor Frank J. Booth contemplates erecting theater building on North Fort Harrison Ave., to be leased by H. Pitman.

Fla., Lacoochee—H. C. Morgan, Leesburg, Fla., will erect motion picture theater building.

Fla., South Jacksonville—D. Drollinger, 26 Mary St., contemplates erecting open-air theater in city park, Hendricks and Pine Aves.

Ky., Louisville—J. Graham Brown, owner of Brown Hotel, will start excavation work in 3 weeks for 10-story, \$1,500,000 building adjoining hotel, Fourth St. and Broadway; first floor for stores and extension of Brown Hotel Coffee Shop, with theater in rear; second and third for Wilderness Club, and remainder for offices; Preston J. Bradshaw, Archt., Fourth and Broadway, Louisville, Ky.*

Tex., Lubbock—Sanguinet, Staats & Hedrick, Archts., Fort Worth, have plans in progress for 3-story and basement theater building.

Warehouses

Ga., Athens—Independent Warehouses, Inc., of Georgia, incorporated with \$20,000 minimum and \$100,000 authorized capital stock by Robert Ould, A. R. Nicholson and Henry L. Pope.

Ga., Atlanta—Pan-American Southern Petroleum Co. will erect two 1-story metal warehouses; \$20,000.

Tenn., Knoxville—Burley Tobacco Growers' Co-operative Assn. contemplates erecting tobacco warehouse.

BUILDING CONTRACTS AWARDED

Association and Fraternal

Mo., Excelsior—Elks Building Assn., F. A. Benson, let contract at \$17,800 to G. A. Rector, 407 Main St., St. Joseph, Mo., for brick lodge building; 2 stories, 38x100 ft., concrete and wood floors, stone foundation, hollow and interior tile, gravel roof; J. H. Felt & Co., Archts., 800 Grand Avenue Temple Bldg., Kansas City, Mo.*

Bank and Office

Fla., Fort Pierce—R. N. Koblegard will remodel old Airdome theater for 1-story Spanish type office building; retain present front; work started.

Fla., Miami—Miami Daily News will erect 15-story printing plant and office building, N. Bay Shore Drive and 6th St.; cost \$1,000,000, 125x225 ft., fireproof, tower 40 ft. square; first 3 floors to be occupied by owner; Geo. A. Fuller Co., Contrs., Fuller Bldg., New York City, and Miami.

Fla., Vero—Farmers Bank of Vero, Louis Harris, Pres., is improving building at cost of \$30,000.

Fla., West Palm Beach—J. S. Willson Building Co. will erect 1-story office building, Olive St. near Hibiscus St.; owner builds.

Ga., Atlanta—Atlanta Commercial Bank, 790 Marietta St., W. B. Chandler, Pres., let contract for building and equipment to Atlanta Show Case Co., 10 E. Foundry St., Atlanta, instead of to J. P. McGuire as lately reported; cost \$22,000.*

Ky., Clarkson—Bank of Clarkson, Thos. Terry, Pres., is erecting \$20,000 building.

Md., Thurmont—Central Trust Co. of Frederick, Md., C. O. Wate, Pres., Thurmont, let contract to Lloyd C. Culler, Frederick, for \$35,000 bank building; 1 story, 33x54 ft., brick and terra cotta; R. L. Harris, Archt., 13 W. Saratoga St., Baltimore, Md.*

Mo., St. Louis—Travelers Protective Assn., Syndicate Trust Bldg., will erect \$30,000 office addition, 3755 Lindell Blvd.; 2 stories, 48x77 ft., brick, Certainteed roof; Klipstein & Rathmann, Archts., 1501 Chemical Bldg.; Grone Construction Co., Contr., 206 Benoist Bldg., both St. Louis.

N. C., Rutherfordton—Citizens National Bank will erect \$185,000 building; Brown-Harry Co., Contr., Gastonia, N. C.; razing present structure.

Tenn., Loretto—Bank of Loretto, Wm. Sandschulte, Pres., will erect \$25,000 bank building; S. J. Oehmen, Contr., Loretto; work started.

Tex., Fort Worth—Bewley Mills, 1101 E. Ninth St., awarded contract to C. T. Hodge, Keene Bldg., Fort Worth, for 2-story office building. (See Building Contracts Awarded—Warehouses.)

Va., Middleburg—Middleburg National Bank will erect 1-story bank building; concrete, steel, limestone, local stone and marble, new vault equipment; O. Harvey Miller, Archt., McLachlen Bldg., Washington, D. C., and Bridgewater, Va.; owners are building; sub-contracts not let.

Churches

Fla., Oldsmar—Methodist Community Congregation let contract for building to Jas. G. Hickey, Oldsmar and Tampa, Fla., instead of W. S. Decker, Tampa, as lately reported; cost about \$100,000, Spanish type, 60x30 ft., cross shape; bell tower; plans by Col. Julian I. Chamberlain, City Archt.*

Fla., St. Petersburg—Community Church let contract to W. G. McGeagh and H. F. Starr for Gospel Tabernacle, 5th Ave. South and 9th St.; cost, with site, about \$100,000; 100x200 ft., main auditorium and balcony, brick and hollow tile, stucco finish, steel-trussed roof; Edgar Ferndon, Archt., all St. Petersburg.

Md., Baltimore—Asbury M. E. Church, Rev. Stewart Brown, Pastor, 1830 E. Eager St., let contract to J. D. Broom, 1127 Druid Hill Ave., for \$60,000 instead of \$40,000 building as lately noted; 2 stories, 45x78 ft., brick, slate roof, hot water heat; F. C. Lewis, Jr., Archt., both Baltimore. (See Mch. Wanted—Seating.)*

Okla., Grove—Baptist Church is erecting building; Geo. W. Lancaster, Contr., Ketchum, Okla.; material on ground.

Okla., Holdenville—Methodist Episcopal Church South, Rev. J. C. Curry, Pastor, let contract to J. J. Votaw, Holdenville, for \$75,000 brick, stone and reinforced concrete building; 2 stories with 3-story annex, 113x75x60 ft., yellow pine finish, pine and concrete floors, structural steel, tile roof, hot air heat, art and Florentine glass windows; Hawk & Parr, Archts., Cotton Exchange Bldg., Oklahoma City, Okla.*

S. C., Williston—Baptist Church, Rev. W. R. Davis, Pastor, let contract to Holley Construction Co. for \$40,000 common brick and hollow tile building; 2 stories, wood and concrete floors; Willis Irvin, Archt., Lamar Bldg., both Augusta, Ga. Lately noted erecting by day labor.*

Tex., Eastland—Methodist Church, Rev. H. L. Munger, Pastor, is having plans prepared by Spencer & Phillips, Goodwyn Inst. Bldg., Memphis, Tenn., for \$40,000 brick and stone church and Sunday school building; former 2 stories, latter 3 stories; 68x130 ft., edge grain pine and concrete floors, cement and paving brick foundation, steel sash and trim, imitation tile roof; plumbing and gas heating not let; electric work to J. E. Kuykendall, Eastland; Rev. Mr. Munger will purchase material and employ superintendent; day labor.*

Tex., Denton—First Methodist Church, Jas. B. Farris, Chmn., Bldg. Comm., let contract at \$30,243 to Taylor Brothers & Rhine, Wichita Falls, Tex., for completion of building, except painting, plumbing and heating; contracts let for wiring and seating; heating to E. K. Campbell Heating Co., 2441 Charlotte St., Kansas City, Mo.*

W. Va., Bluefield—Westminster Presbyterian Church, D. W. Hancock, Chmn. Bldg. Comm., let contract to H. A. Lucas for \$100,000 Colonial type brick, stone and concrete building; 3 stories, hardwood, concrete and tile floors, concrete foundation, built-up composition roof, hollow and interior tile, ventilators;

heating and plumbing to W. A. Bodell Heating & Plumbing Co., both Bluefield; Herbert L. Cain, Archt., 501 Grace St., Bank & Trust Bldg., Richmond, Va.*

W. Va., Hurricane—Baptist Church laid cornerstone of \$35,000 building; Levi J. Dean, Archt., 907 Fifth Ave., Huntington, W. Va.

W. Va., South Charleston (Branch Charleston)—First Baptist Church, Rev. F. L. Grose, Pastor, let contract for church and Sunday-school equipment to Banks & Brauneck, Charleston, who will purchase all material; cost \$50,000, 1 story, balcony and basement, 60x110 ft., brick; Levi J. Dean, Archt., 605 Simms Kellar Bldg., Huntington, W. Va. (See Mch. Wanted—Seating; Furniture (Pulpit); Glass (Art); Heating System; Electric Fixtures; Organ; Piano.)*

Dwellings

Ala., Greenville—Dr. S. B. Hopkins will erect residence, Cedar St.; H. P. Jones, Contr., Greenville.

Fla., Arcadia—Thos. Bowling will erect residence; owner builds and material on ground.

Fla., Clearwater—Dean Alvord will erect residence, Harabor Oaks; Francis J. Kennard & Son, Archts.; B. F. Walker & Son, Contrs., both Tampa, Fla.

Fla., Fort Lauderdale—John Prescott is erecting 2 Spanish type bungalows on Condit St. near Las Olas Blvd.; total cost \$13,000.

Fla., Gainesville—W. Allan Haile let contract to Winston & Penney for 2-story brick veneer residence, University Ave.; rough faced brick, 12 rooms, 2 baths, stone floors in sun porch, front portico and terraces, interior floors pine, composition shingle and tin roofs; Newbold L. Goin, Archt., both Gainesville.

Fla., Gainesville—Mrs. M. C. Howard will erect residence, W. Masonic and 8th Sts.; stucco over frame and hollow tile, composition shingle roof, oak and rift yellow pine floors, 2 baths, sun parlor and entrance loggia paved with quarry tile, Arcola system of hot water heat; Newbold L. Goin, Archt., Gainesville; day labor under supervision of Mr. Howard.

Fla., Kissimmee—Corporation Finance Co., W. K. Palmer, Chmn. of Board, 210 Orear-Leslie Bldg., 1012 Baltimore Ave., Kansas City, Mo., will erect number of dwellings in connection with development of 4200-acre tract near Kissimmee; owner's engineers and architects attending to all matters of plans and construction.*

Fla., Miami Beach—John N. Bullen let contract to R. W. Edholm, Miami Beach, for \$25,000 Spanish type residence, Pancoast Lake sub-division; 2 stories, imported Cuban tile roof; work started; plans by owner.*

Fla., Miami—Theo. J. Dalty, New Smyrna, Fla., will erect \$10,000 residence, Coral Gables; H. Geo. Fink, Archt.; N. J. Murphy, Contr., both Miami.

Fla., Miami—Jas. Foley, Boston, Mass., will erect \$10,000 residence, Coral Gables; H. Geo. Fink, Archt.; N. J. Murphy, Contr., both Miami.

Fla., Miami—Mrs. M. E. Grice, Philadelphia, Pa., will erect \$13,000 residence, Coral Gables; H. Geo. Fink, Archt.; N. J. Murphy, Contr., both Miami.

Fla., Miami—Dr. D. Harrington, Boston, Mass., will erect \$12,000 residence, Coral Gables; H. Geo. Fink, Archt.; N. J. Murphy, Contr., both Miami.

Fla., Miami Beach—City Builders Finance Corp. is erecting dwelling, block 59, Lincoln sub-division.

Fla., Miami Beach—Meade Construction

Co. will erect \$40,000 residence, N. Bay Rd.

Fla., St. Augustine—J. A. Lew will erect \$20,000 Spanish type residence, Water Park; 2 stories, hardwood floors, plaster interior walls, stucco exterior, tile walls and floors in kitchen and 2 baths, 1-story 2-car garage; Francis A. Hollingsworth, Archt.; Chas. Leyvrez, Contr., both St. Augustine.

Fla., Tampa—Addison Logan will erect \$16,000 residence, Dubois Ave.; John W. Biggar, Archt.; Logan Bros., Contrs., both Tampa.

Fla., Titusville—Brown Electric Co., Cocoa, Fla., has contract for electric wiring for 6 Spanish type bungalows for Titusville Securities Co., Inc., J. J. Parish, Pres.; plumbing to Clarke Plumbing Co., Titusville; dwellings, frame and stucco, 1 and 2 stories, 4 to 6 rooms, yellow pine floors, concrete foundation, built-up and tile roofs, hollow and interior tile, mail chutes; general contract, iron railings, tile and mason work to Hesch & Nafe, Wilson, Fla.; R. C. Rummell, Archt., Courtenay, Fla.*

Fla., West Palm Beach—J. S. Willson Building Co. is erecting \$50,000 residence for J. R. Beatty of Chicago, Ill., on Barton Ave. near County Rd.; residence for Mrs. John Edwin Dietz of New York City on El Bravo, Marion Sims Wyeth, Archt., Palm Beach, Fla.; residence for Phil H. Sawyer and 1 for Edgar P. Sawyer; remodeling Eddy Place on Ocean Blvd. and Seabreeze Ave. for Thos. L. Chadbourne, 14 Wall St., New York City; erecting three \$30,000 and one \$12,000 dwellings.

Ga., Atlanta—Mrs. Rosa Rauschenberg will erect \$15,000 residence; brick, stone, concrete block and steel; Havis & Constantine, Archts., Citizens & Southern Bank Bldg.; R. L. Langston, Contr., Candler Bldg., both Atlanta.

Ga., Columbus—Geo. L. King, 1517 Hilton Ave., will erect residence in Wynnton; T. W. & E. O. Smith, Archts., Murrah Bldg.; C. T. Gifford, Contr., 619 Ninth St., both Columbus.

La., New Orleans—Frank Basile, 1021 Second St., and Security Building & Loan Association, Maison Blanche Bldg., will erect \$11,800 residence, Magazine and Milan Sts.; New Orleans Construction Co., Contr., New Orleans.

La., New Orleans—Mrs. Harold H. Stream, 5350 Prytanla St., and Security Building & Loan Assn., Maison Blanche Bldg., will erect \$20,940 duplex dwelling, Henry Clay and Hurst Sts.; F. G. McDonald, Archt., Hibernia Bldg.; A. Garrett, Contr., Canal-Commercial Bldg., both New Orleans.

La., New Orleans—Greater New Orleans Homestead Assn., 409 Carondelet St., will erect \$16,000 building, Carondelet and First Sts.; Hyman Rabinovitz, Contr., 1721 St. Andrew St., New Orleans.

La., New Orleans—Francis E. LeJeune, Maison Blanche Bldg., will erect \$17,000 building, Audubon Blvd. and E. Park Place; R. H. Ketteringham, Contr., New Orleans.

La., New Orleans—French Market Homestead Assn., 715 Royal St., will erect \$10,800 building, Hope and Havana Sts.; Luke Governali & Sam Saputo, Contrs., New Orleans.

La., New Orleans—J. S. Huey let contract at \$14,000 to J. J. Lagarde, Canal-Commercial Bldg., for raised duplex dwelling, Lowerline and Maple Sts.; E. F. Spori, Archt., Vincent Bldg., both New Orleans.

Md., Baltimore—Jas. Keely, 3600 Edmondson Ave., will erect 5 brick dwellings, 3601-09 Eversley St.; 2 stories, 16x37 ft. and 30x34 ft., slag roofs, furnace heat; F. E. Beall, Archt., 306 St. Paul St.; owner builds.

Md., Baltimore—Andrew L. Blankner, Mgr., Blankner Realty Co., 502-03 Title Annex, will

erect 5 two-story frame dwellings, S. W. side Eutaw Ave.; 24x34 ft., slate roofs, steam heat; total cost \$15,000; C. E. Dillon, 4201 Liberty Heights Ave.; Blankner Realty Co., Contr., both Baltimore.

Md., Baltimore — Wm. R. Flowers, 2054 Kennedy Ave., will erect \$12,000 frame residence, N. W. cor Harcourt Rd. and Juneau Place; 2½ stories, 26x32x19 ft., slate roof, steam heat; R. N. Flowers, Archt.; Flower & Hitchcock, Contr., both Baltimore.*

Mo., Clayton (Ind. Branch St. Louis)—Sidney Baer will erect \$25,000 brick residence, lot 1, Lancashire; 28x60 ft.; Moritz Young, Archt.; J. M. Higbee, Contr., 4164 Delmar Blvd., both Clayton.

Mo., Clayton (Ind. Branch St. Louis)—Arthur N. Cooper, Blue Grass Hotel, will erect \$10,000 brick residence, block D, Wydown Forest; 33x60 ft.; Wm. Blackmann, Archt.; J. M. Higbee, Contr., 4164 Delmar Blvd., both Clayton.

Mo., Clayton (Ind. Branch St. Louis)—Mrs. J. S. Klein will erect \$20,000 brick residence, block B, Wydown Terrace; 52x32 ft.; Moritz Young, Archt.; J. M. Higbee, Contr., 4164 Delmar Blvd., both Clayton.

Mo., Clayton (Ind. Branch St. Louis)—Watts Smyth will erect \$22,000 brick and tile residence, W. Brantmoor St.; 70x27 ft.; Moritz Young, Archt.; J. M. Higbee, Contr., 4164 Delmar Blvd., both Clayton.

Mo., Clayton (Ind. Branch St. Louis)—M. B. Wallace will erect \$25,000 brick residence; 20x60 ft.; Moritz Young, Archt.; J. M. Higbee, Contr., 4164 Delmar Blvd., both Clayton.

Mo., Kansas City—E. C. Burnap, 4331 Hyde Park, is erecting number of bungalows, 51st St. and Bellefontaine Ave.

Mo., Kansas City—Dr. Harold Kuhn, 1325 Rialto Bldg., is erecting residence, 5431 Mission Drive, Mission Hills; old English type, half-timber and rough stucco, brown shingle roof; Clarence E. Shepard, Archt., 509 Reliance Bldg., Kansas City.

Mo., St. Louis—L. E. Brockmeier, 5032 Alcott St., will erect 6 one-story brick dwellings, 4010-14-15-18-19-20 Farlin St.; 26x44 ft. each, composition shingle roofs, hot air heat; total cost \$30,000; Nolte & Naumann, Archts.; J. C. Brockmeier, Contr., 5032 Alcott St., all St. Louis.

N. C., Charlotte—Mrs. John W. Todd, 520 S. Church St., will erect \$15,000 residence, 1910 Dilworth Rd., East; brick veneer, 2 stories, 11 rooms; G. M. Tucker, Contr., Charlotte.

S. C., Aiken—Dr. R. H. Wilds let contract for heating (American Radiator Co.'s Ideal Type A water boiler) and plumbing to Thos. G. Brittingham, 651 Broad St., Augusta, Ga., and electric work to Hafers Electric Co., Aiken, for hollow tile and stucco residence, Hayne Ave.; 2 stories, 68.6x39.8 ft., pine, oak and concrete floors, concrete foundation, ornamental terra cotta, slate roof; Leslie W. Devereux, Archt., Grand Central Terminal, New York City; Willis Irvin, Lamar Bldg., Supervising Archt.; Schweers & Anderson, 646 Reynolds St., contr., at \$40,600, both Augusta.*

S. C., Goldville—Banna Cotton Mills let contract to W. M. Welch, Inc., Neal-Pack Bldg., Greenville, S. C., for 50 cottages; total cost \$81,000; Lockwood Greene & Co., Engrs. 24 Federal St. Boston, Mass.*

S. C., Shandon—St. Francis de Sales R. C. Church let contract to Geo. Seastrunk for rectory; Lafaye & Lafaye, Archts., Columbia.*

Tex., Cleburne—J. R. Wallis, Contr., has permits to erect 6-room brick bungalow, 302 Forest Ave., and repair residences 606 S. Walnut St., 401 W. Chambers and College Sts.; total cost \$14,600.

Tex., Cuero—Dr. Marvin G. Duckworth let contract to Eugene Maurer, Cuero, for \$12,000 frame and stucco residence; Alfred Giles & Co., Archts. Moroe Bldg., San Antonio, Tex., to receive sub-bids from local firms.*

Tex., Greenville—Fred Burks let contract to A. A. Clark, Greenville, for 7-room bungalow, McDougal St.

Tex., San Antonio—Chas. H. Brient, Alamo National Bank Bldg., is erecting \$12,000 to \$15,000 brick veneer residence, Mistletoe Ave. for personal use; 1½ stories, hardwood floors, interior tile, concrete foundation, asbestos shingle roof; Herbert S. Green, Architect, Alamo National Bank Bldg.; Mr. Brient builds and later plans to erect 16 additional dwellings for resale on Hulsache and Mistletoe Aves.; principally wood frame construction; lumber, etc., from Ed Steves & Sons, 628 Buena Vista St., all San Antonio.*

Va., Danville—Dr. R. N. Harper will erect \$16,000 brick and hollow tile residence, Robertson Ave.; 2 stories and basement, 40.6x29.6 ft., hardwood, pine and concrete floors, concrete and brick foundation, plaster board, composition and tin roof; Milburn, Helster & Co., Archts., Union Savings Bank Bldg., Washington, D. C., and Durham, N. C.; H. A. Osborne & Son, Contrs., Danville.*

W. Va., Wheeling—Edw. Hazlett will erect 1 frame and 1 brick and frame dwelling, Hazlett Court; total cost \$14,000; Louis Grubb, Archt.; Geo. L. Reed, Contr., both Wheeling.

Hospitals, Sanitariums, Etc.

Ark., Conway—Faulkner County let contract to W. A. Russell & Co., Conway, for ing to be let later; Wittenburg & Deloney, Archts., Little Rock, Ark.*

Fla., Miami—City let contract to George Jahn for alterations to nurses' home, etc.; cost \$25,000.

Fla., Ocala—Board of Commrs. of State Institutions let contract at \$13,241 to Martin & Borland, Orlando, Fla., for 1-story hospital building at Florida Industrial School for Girls; heating, lighting and plumbing to M. S. Minshall at \$2670; Geo. McKay, Archt., both Ocala.*

Ky., Owensboro — City, J. H. Hickman, Mayor, let contract at \$18,700 to Davis & Hagan for 1-story 26-room addition to city hospital; C. W. Kimberlin, Archt., both Owensboro.*

Tex., Austin—State Board of Control, S. B. Cowell, Chmn., let following contracts for remodeling former State Blind Inst. and School of Military Aeronautics as auxiliary asylum for senile insane: Brydson Bros., woman's ward, \$9832; Blackmore Bros., main building, \$16,719; Donnelly & White, plumbing, \$5125; John Wattinger, electric wiring, \$1488 all Austin.*

Hotels and Apartments

Ala., Tuscaloosa—John M. Birchfield is erecting \$40,000 apartment building, University Ave. and Thomas St.

Fla., Brooksville—Brooksville Hotel Co., E. J. Willis, Pres., 8385 Chambers St., New York City, is erecting \$80,000 2-story, concrete, steel and brick 60-room hotel; built-up and tile roof, concrete floors and foundation, ornamental terra cotta, ventilators; construction by local labor supervised by Emerson Construction Co., Brooksville; Mr. Carpenter, Archt., DeLand, Fla.*

Fla., Jacksonville—Mrs. Daisy Hart Smith is erecting \$75,000 8-apartment building, Riverside Ave. and McDuff St.; brick and marble, hardwood floors; Roy A. Benjamin, Archt., 1732 Riverside Ave.; H. F. McAden, Contr., both Jacksonville.

Fla., Miami—A. L. Sammons, Contr., will soon start erecting 15-apartment and 13-hotel room building on Pennsylvania Ave. between 9th and 10th Sts.; W. F. Brown, Archt., Miami.

Fla., Miami—Miss Leola Campbell awarded contract to C. Martin Hingle, Jr., Miami, for \$26,000 2-story, concrete block and hollow tile apartment house; six 4-room and ten 3-room suites; H. G. Hink, Archt., Miami.

Fla., Miami—M. E. Cortina is erecting \$14,000 2-story, 4-suite apartment house in Shenandoah.

Fla., Miami—Yaeger Investment Co. awarded contract to a subsidiary company to erect \$115,000 Columbus Court Apartments; 100x150 ft., U-shaped with court in center; 2 stories, 8 entrances, lobby, community sitting room, 24 suites of 3 rooms and kitchenettes and 21 single hotel rooms; Harold H. Mundy, Archt., Miami.*

Fla., Miami—W. H. Wolpert awarded contract to Phillips & Culver, Miami, for 7 duplex apartment houses; \$12,000 to \$15,000 each.

Fla., Miami—Lundinger & Wilkinson Co. awarded contract to A. H. Sheridan, Miami, for \$18,000 2-story, concrete block, 72x40 ft., 8-family apartment building, S. W. 12th Ave.; R. A. Preas, Archt., Miami.

Fla., Miami Beach—Chas. C. Bow awarded contract to Phillips & Culver, Miami, for \$30,000, 12-apartment building, 1515 West Ave.; J. Philip Turner, Archt., Miami.

Fla., Miami Beach—Dr. Frank Davis will erect \$110,000 apartment house; 3 stories, Spanish tile roof, tile floors, 6 shops on ground floor, 25 four-room suites; 20x100-ft. wall in front of building will be enclosed in low wall of natural coral rock; open court in center of building containing dance floor 33x93 ft. of rubberoid coral; apartment will be furnished in mahogany; furnishing, decorating and window draping will be under direction of E. T. Budge Co.; Martin Hampton, Archt.; Chas. S. Ewing, Contr., all Miami.

Fla., Vero—Geo. H. Gray awarded contract to L. N. Newman, Vero, at \$12,000, for 2-story, frame and stucco, 22-room addition to Palmetto Hotel; slate covered composition roof, 36x60 ft., concrete foundation, wood flooring; N. Radinsky, light and power wiring; L. Dellerman, hot and cold water, baths, sewerage; both Vero; Jno. Sherwood, Archt., Ft. Pierce, Fla. (See Machinery Wanted—Furnishings.)*

La., New Orleans—Nathan Kohlman, Archt., Godechaux Bldg., awarded contract to G. E. & E. E. Reimann, Wels Bldg., for \$30,000 2-story, 32x80 ft., frame stucco apartment house for Home Seekers' Building & Loan Assn., 540 Frenchmen St.

Md., Baltimore—Co-operative Apartments Co., 323 N. Charles St., is erecting 4-story \$130,000, 79.6x52.6 ft., post and girder, brick and hollow tile walls apartment house, 102 W. 39th St.; concrete first floor, others concrete, stone foundation, slag roof, hollow tile, interior tile; Trushelm Electric Co., 3401 Mondawmin Ave., general house service, elevator service; Otis Elevator Co., New York City, 1 automatic elevator; Roy G. Pratt, Archt., 323 N. Charles St.; owners build. (See Machinery Wanted—Plaster.)

Mo., Jefferson City—Jos. A. Huegel has plans in progress by Mr. McCready, Jefferson City, for \$15,000 2-story, 20-room addition to Central Hotel; wood floors, stone foundation, metal ceilings, plaster board; cost of furnishings \$5000. Address McCready Construction Co., Jefferson City.*

Mo., St. Louis—Ada Building & Investment

Co., 808 Chestnut St., will erect \$45,000, 3-story, brick, 26x120 ft. apartment building, 5703 Cabanne St.; tar and gravel roof, furnace heat; J. Robin, Builder, 808 Chestnut St.; Oliver J. Popp, Archt., Odd Fellows Bldg.; both St. Louis.

Mo., St. Louis—H. Ross, 1916 E. Grand St., awarded contract to R. J. Cross, 5022 Arlington St., St. Louis, for \$10,000, 2-story, 26x55 ft., brick tenement building, 1914 E. Grand St.; composition roof, furnace heat.

N. C., Charlotte—Mrs. D. P. Hutchinson awarded contract to E. J. Berry, 1907 Philmore St., Charlotte, for \$16,500 20-room, 4-family apartment building, Ninth and Church Sts.

N. C., Durham—Citizens Hotel Co. awarded contract to Blackford Construction Co., Durham, for 16-story hotel to cost over \$1,000,000; Dermott Heating Co., heating and ventilating; Durham Public Service Co., electric work; both Durham; Hunt Brothers, Greensboro, plumbing; Stanhope S. Johnson, Archt., Peoples Nat'l Bank Bldg., Lynchburg, Va.; John A. Buchanan, Chmn. hotel executive committee.*

N. C., Greensboro—L. B. Leftwich, Leftwich Arcade, awarded contract to Southeastern Construction Co., 129 Brevard Court, Charlotte, N. C., \$15,000 2-story, brick veneer, 37x55 ft. apartment building, Hendrix St.; composition roof, concrete foundation, oak and tile floors; M. K. Marsh, Archt., Latta Arcade, Charlotte.*

N. C., Wilson—Jessie B. Williams awarded contract to Jones Bros. & Co., Wilson, at \$71,885, semi-fireproof, 3-story apartment building on Goldsboro St.; pine, oak and composition flooring, reinforced cement foundation, asphalt roofing, hollow tile, interior tile, metal doors, ornamental terra cotta; Benton & Benton, Archts., Wilson.*

S. C., Greenville—Caroline Steel & Iron Co., S. Elm St. extended, Greensboro, N. C., has contract for 700 tons structural steel and iron for \$1,000,000 11-story, 210-room hotel for Greenville Community Hotel Corp., for which Hunkin-Conkey Construction Co., Cuyahoga Bldg., Cleveland, Ohio, has general contract.

Tenn., Memphis—Dave Dermon, 2095 Poplar St., is erecting 8-apartment building, S. W. cor. Poplar Ave. and Rembert St.; 2 store rooms on basement floor, buff brick with stone trim, tile roof, each apartment 4 rooms and bath, hardwood floors, hot water heat; W. C. Lester, Archt., Scimitar Bldg.; T. J. Bobbitt, Contr., both Memphis.*

Tenn., Memphis—O. E. Wolf has nearly completed 8-apartment building on Clark Place and will soon start work on 8-apartment building on lot adjoining; grided windows, tile roofs; J. Frazier Smith, Goodwyn Mt., and H. M. Burnham, Archts., both Memphis.

Tex., Beaumont—J. E. Schingler, 1087 Sabine Pass St., awarded contract to C. W. Prince, 1493 Park St., Beaumont, for 2-story, \$15,000, 46x96 ft., brick and concrete, curtain walls, reinforced concrete frame apartment building, Sabine Pass Ave. and Railroad Ave.

Tex., Dallas—C. F. Knott, 3203 Knight St., is erecting 2 brick duplex apartment houses at 3205-7 Knight St. and 4105-7 Hall St.; about \$9500 each.

Tex., Fort Worth—Veazie & Graynor, Contrs., Keene Bldg., will erect \$15,000 4-apartment building in Arlington Heights.

Tex., Robstown—Brendle Hotel Co. has plans by and awarded contract to C. T. Fincham, Robstown, at \$35,000, for 2-story, 42x94 ft., concrete, hollow tile and brick, 31-room annex to present building; gravel roof, concrete foundation, wood flooring.*

W. Va., Parkersburg—E. A. Brast Co. awarded following contracts for reinforced concrete, 6-story addition to Chancellor Hotel; electric work, McHenry Electric Co.; plumbing and heating, Nelson Plumbing Co.; balance of work to Plate & Vogel, all Parkersburg; 44x171 ft., concrete floors and foundation, hollow tile, interior tile, ventilators; Pleasants Pennington and Albert W. Lewis, Archts., 477 Fifth Ave., New York City.*

Railway Stations, Sheds, Etc.

Fla., Orlando—Seaboard Air Line Ry. Co., Chas. R. Capps, Vice-Pres., Norfolk, Va., awarded contract to C. V. York, Raleigh, N. C., for major part of work on freight station.

Miscellaneous

Fla., Eau Gallie—Restaurant—State Bank of Eau Gallie awarded contract to J. M. Jenkins, Eau Gallie, for remodeling restaurant to be occupied by Ralph Stewart; plate glass front, exterior will be stuccoed and interior remodeled.

Fla., Miami—Roof Garden—Davenport and Rich awarded contract to Halsema Bros., Miami, for \$17,500 roof garden.

Ga., Hapeville—Home—Georgia Baptist Orphanage awarded contract to C. R. Justi, Forsythe Bldg., Atlanta, Ga., for \$25,000, 2-story and basement, brick and frame, 50x100 ft. dormitory; pine and concrete floors, stone and concrete foundation, composition roof, hollow tile, metal ceilings, plaster board; A. Ten Eyck Brown, Archt., Forsythe Bldg., Atlanta.*

Md., Baltimore—Grandstand — Maryland Jockey Club, Equitable Bldg., awarded contract to Commonwealth Construction Co., Commonwealth Bank Bldg., Baltimore, for \$18,000, 150x68x36 ft., 1-story frame addition to grandstand at Pimlico.

Miss., Jackson—Tourist Camp—Col. Y. D. Lott, Sec. of Jackson Motor Club awarded contract to Chas. Hammond, Jackson, for main building of tourist camp.

N. C., Raleigh — Orphanage—Executive Committee of Methodist Orphanage awarded contract to Jewell-Riddle Co., Sanford, N. C., at \$137,500, for erecting administration building; Chas. W. Christian Co., Myers Park, Charlotte, heating at \$7998; Costar Heating & Plumbing Co., Latonia Bldg., Charlotte, plumbing at \$4640; 3 stories, face brick with limestone trimmings, fireproof; contain 12 classrooms, 5 administrative offices, sleeping rooms for 4 teachers, 2 student dormitories, auditorium, library, 2 music rooms, domestic science, household art and lecture rooms, 2 science laboratories, and 6 toilet rooms; dormitory, refectory building and outdoor swimming pool are now under construction; Thos. W. Sears, Landscape Archt., 1000 Walnut St., Philadelphia, Pa.; Jas. A. Salter, Archt., 102 W. Hargett St., Raleigh.*

Tenn., Knoxville—Mortuary—E. B. Mann Co., 414 W. Church St., awarded contract to McGill & Weaver, Knoxville, for buff brick and terra cotta, \$100,000, 2-story and basement mortuary; R. F. Graf & Sons, Architects, Arnstein Bldg., Knoxville.*

Tex., Dallas — Architectural Club Model Front & Club Building, owned by C. B. Gardner is being remodeled by W. H. Kink, Contr., Dallas; Lang & Witchell, Archts., American Exch. Bank Bldg., Dallas.

Schools

Ark., Little Rock — Board of Education awarded contract to Herman & McCain, Reigler Bldg., for erecting Riverside school; J. B. Brock, 18th St. and Levy schools, and J. Jenkins, Rose City school; H. Ray Burks, Archt., Southern Trust Bldg., all Little Rock.

Fla., Oakland-Winter — Orange County Board of Public Instruction, Orlando, awarded contract to R. M. Grant & Co., Tampa, for erecting school building.

Fla., St. Petersburg—St. Paul's Church awarded contract to Fred Dillman, St. Petersburg, for \$150,000, 200x200 ft., 8-classroom and auditorium parochial school; stage 20x30 ft., Italian architecture.

Fla., Tallahassee—Hon. P. K. Yonge, Chmn. Board of Control, Capitol Bldg., awarded contract to H. H. Brown, Dothan, Ala., at \$15,794, for kitchen and dining room, and to Forster & Christopher, Jacksonville, at \$16,200 and \$13,407, for Mechanic Arts Building and Science Hall at Florida Agricultural & Mechanical College for Negroes; Edwards & Sayward, Archts., 101 Marietta St., Atlanta, Ga.*

La., Baton Rouge—Louisiana State University, R. L. Himes, Sec., awarded contract for furnishing pipes and fittings for new university for \$19,574, to United States Cast Iron & Foundry Co., Burlington, N. J.; A. M. Lockett & Co., Ltd., Houston, Texas, hydrants and valves at \$3007.46. W. D. Peck, Baton Rouge, foundations and floors for engineering laboratory building at \$6937; Engineering Sales Co., 640 S. Pelters St., New Orleans, for Sterling boiler at \$818; Chattanooga Boiler & Tank Co., 1011 E. Main St., Chattanooga, Tenn., breeching for boilers at \$1241.

La., New Orleans—Rouprich Construction Co., Inc., Engrs. & Contrs., 404-5-5 Louisiana Bldg., awarded following sub-contracts in connection with their contract for erecting \$319,000 Lafayette Hotel building; sheet metal work and roofing, Blattman-Weeser Sheet Metal Works, 1001 Toulouse St.; finishing hardware, Stauffer, Ehleman & Co., 511 Canal St.; lightening rods, W. B. Cooter; rolling partitions and safety treads, J. T. Mann & Co., Inc., 308 Tchoupitoulas St.; glass and glazing, Pittsburgh Glass Co., Gero and Commerce Sts.; mill work, National Sash & Door Co., N. Dupre and Carondelet, Walk; Plumbing and heating, Union Electric Co., 625 Poydras St.; electrical work, Freeman-Barlow, Inc., 820 Carondelet St.; piling, W. M. Wren & Co., Tulane-Newcomb Bldg.; adjustable inserts, Truscon Steel Co., Cleo and Willow Sts.; sand, gravel and cement, Jahneke Service, 814 Howard Ave. and Peter Judlin, 2331 N. Rampart St.; brick, Peter Judlin and Frang Bethune, 808 Perdido St.; tile, Jahneke Service, 814 Howard Ave.; structural steel and miscellaneous iron, Lukens Steel Co., 626 S. Peters St.; reinforcing steel, Ole K. Olsen, 822 Perdido St.; cast iron, Shakespeare Iron Works, 913 Gero St.; all Orleans; E. A. Christy, Archt., New Orleans.*

Mo., Kansas City—Board of Education awarded contract to Arthur G. Harper, 43d and Tracy St., Kansas City, at \$51,945, for first unit of Jno. J. Pershing high school.

Mo., Stockton—Board of Education awarded contract to A. E. Todd & Son, Stockton, for \$50,000, brick school building, recently voted \$50,000 bonds.*

Mo., Winston—Board of Education awarded contract to G. & F. Contracting Co., Exira, Ia., for consolidated school building; C. B. Gowing, Shenandoah, Ia., plumbing and heating; Standard Electric Co., St. Joseph, Mo., wiring; Simmonds & Arnold, Archts., St. Joseph.*

N. C., Bethel Hill—Person County Board of Education, Roxboro, awarded contract to O. F. Williams, Durham, at \$20,000, for 1-story, 100x100 ft., brick and hollow tile school building; gum or maple flooring, brick foundation, Standard 3-ply and asbestos roof;

millwork, Ingram Co., W. T. Waggoner Sts., Durham, heating; Linthicum & Linthicum, Archts., 117 W. Martin St., Raleigh.*

N. C., Bethel—Pitt County Board of Education, R. G. Fitzgerald, Supt., Greenville, awarded contract to Pickler-Lampley Construction Co., Aberdeen, at \$24,246, for brick on hollow tile, 1-story, 10-room school building; composition roof, brick foundation, gum and hardwood floors; Raleigh Iron Works, steam heat; Linthicum & Linthicum, 117 W. Martin St., Archts., both Raleigh. (See Machinery Wanted—Seating and Desks.)

N. C., Greensboro—Guilford County Board of Education awarded contract to Bedell & Brownhill, Greensboro, for plumbing in Stokesdale, Oak Ridge, Summerfield and Guilford College schools, at \$8693; Hower-ton & Chandler, 215 E. Sycamore St., Greensboro, heating plants at Stokesdale and Guilford College for \$8250.

N. C., Greensboro—Guilford County Board of Education awarded contract to Inman Construction Co., 730 S. Elm St., at \$23,693, for 2-story, frame and brick veneer addition to Bessemer High School building; 90x90 ft.; Hunt Bros., 407 Walker Ave., heating, at \$2100; J. L. Griffin, electric wiring; D. Wray Plumbing Co., Davie St., plumbing; Harry Barton, Jefferson Bldg., Archt., all Greensboro.*

N. C., Raleigh—Raleigh Township School Comm., H. F. Srygley, Supt., awarded contract to W. B. Barrow & Son, Merchants Bank Bldg., Raleigh, for \$500,000 Hugh Morson High School; C. Gadsden Sayre, Archt., Raleigh and Greensboro, N. C., and Anderson, S. C.*

Okl., Bristow—Manhattan Construction Co., Muskogee, Okla., awarded following sub-contracts in connection with their contract for \$105,000, 3-story, brick and concrete high school; electric wiring, Bristow Plumbing Co., Bristow, Okla.; plumbing and heating, Grinnell Co., Inc., 1108 Commerce Bldg.; mill work, American Sash and Door Co., 16th and Bellefontaine Sts.; steel, Builders Material Supply Co., 815 Republic Bldg.; all Kansas City, Mo.; C. Lee Curran, Archt., Bristow.*

S. C., Calhoun Falls—Board of Trustees, Dr. J. V. Tate, Chmn., awarded contract to Arnold Construction Co., Elberton, Ga., at about \$36,000, for 2-story and basement, brick and hollow tile, 126x52 ft. school building; rift pine flooring, brick and concrete foundation, metal roof, plaster board, ventilators, ornamental terra cotta; Jas. P. Hemp-hill, Archt., Greenwood, S. C. (See Machinery Wanted—Furnishings (School).)

S. C., Columbia—University of South Carolina, W. D. Melton, Pres., awarded contract to L. D. Thomas, Columbia, to repair and alter gymnasium and to Mechanics Contracting Co., Columbia, for repairs to Harper College; J. Carroll Johnson, Archt., Columbia, opened bids for alterations to de Saus-sure and Rutledge Colleges.*

S. C., Sumter—Derby & Burns, Inc., Huske Bldg., Fayetteville, N. C., awarded following sub-contracts in connection with their contract for erecting 2 school buildings; mill work, A. H. Fischer Co., Brigade St., Charleston, S. C.; steel sash, Truscon Steel Co., Youngstown, Ohio; cast stone, Ec. Concrete Stone Co. of Virginia; brick common,

Georgia-Carolina Brick Co., Lamar Bldg., Augusta, Ga.; brick, face, Sumter Brick Works; lumber, Booth-Boyle; both Sumter, S. C.; tile, Denison Interlocking Tile Co., Commercial Bank Bldg.; slate black boards, Carolina School Supply Co., 336 S. Church St.; roofing and sheet metal, G. G. Ray & Co., 311 E. Fifth St., all Charlotte, N. C.; hardware, Lorek Brothers, Columbia, S. C.; sand and gravel, Lawrence Stone & Gravel Co., Raleigh, N. C.; steel and iron, J. D. Wilkins, W. Lee St., Greensboro, N. C.; painting, William Wilson Co., 48 Auburn Ave., Atlanta, Ga.; plumbing, Bryce Plumbing Co., Florence, S. C.; heating, J. L. Powers, Bennettsville, S. C.; electrical work, Lyman Electric Co., Sumter, and Carolina Electric Co., Rock Hill, S. C.; cement, lime and plaster, J. P. Commander, Sumter, S. C.; Wilson, Berryman & Kennedy, Archts., Columbia, S. C. and Wilson and Gastonia, N. C.*

Tex., Denison—City Commission awarded contract to W. A. Badgett, Denison, for \$38,000 ward school.

Tex., Fort Worth—Bewley Mills, 1101 E. Ninth St., awarded contract to C. T. Hodge, Keene Bldg., Fort Worth, for 2-story, 92x68 ft. warehouse and 1-story "L" shape, 92x25 and 18x68 ft. office building; reinforced concrete, \$35,000.

Tex., Greenville—School Board awarded contract to O. J. Robinson, Greenville, for 883 opera chairs for high school building, at \$3750, and to American Seating Co., 14 E. Jackson Blvd., Chicago, Ill., for 600 all-steel frame student desks at \$3414.

Tex., Lamesa—School Board awarded contract to Anderson Brothers, El Paso, 3118 Alamogordo, for erecting \$127,000 high school building; 3 stories, brick, steam heat, stone and reinforced concrete frame; Peters & Haynes, Archts., Lubbock, Tex.*

Tex., Marshall—Quisle & Andrews, 2212-14 W. 7th St., Fort Worth, have awarded following sub-contracts in connection with their contract at \$147,978, for high school building: millwork, Ingram Co., W. T. Waggoner Bldg.; structural steel and reinforcement, North Texas Steel Co.; painting, D. C. Dawns; roofing and sheet metal work, Lydrick Roofing Co., 1801 Calhoun St.; all Fort Worth; W. G. Clarkson & Co., First Nat'l Bank Bldg., Fort Worth, and Jno. Carpenter, Marshall, Asso. Archts.*

Tex., Orange Grove—School Board awarded contract to R. E. Ball, Brenham, at \$30,825, for brick and concrete school building; 2-story, 9 classrooms, library and auditorium of 350 capacity, built-up roof, steel trusses, pine floors, steel sash; Giesecke & Harris, Archts., Austin.*

Stores

Ala., Mobile—Marine Junk Co., 156 S. Water St., awarded contract to Realty Construction Co., 311 S. Royal St., Mobile, for 2-story business building on Cedar at Water St.

Fla., St. Petersburg—J. Bruce Smith awarded contract to Franklin J. Mason, St. Petersburg, for \$176,000, 7-story building, s. w. cor. Central Ave. and Third St.; steel and concrete, brick front, 40x100 ft., first 2 floors for store and upper floors offices; M. Leo Elliott, Archt., Tampa and St. Petersburg.*

Ga., Atlanta—George Marcus, 32 Luckie St., has plans by Havis & Constantine, Citizens & Southern Bldg., Atlanta, for \$12,000 stores; owner will build by day labor; ready to receive bids on plumbing, heating and electrical work.

Ga., Augusta—J. B. White & Co. awarded contract to Otis Elevator Co., New York City, for installing 3 elevators to cost \$12,461, in \$250,000 department store under construction by C. H. Van Ormer, Herald Bldg., Augusta.*

La., Lafayette—Maurice Heymann awarded contract to P. Olivier & Son, Lafayette, for 1-story brick store building.

La., New Orleans—N. G. Carbajal, 3426 Bank St., awarded contract to Ullrich Glass Co., 800 Baronne St., New Orleans, at \$13,840, for 1-story, 60x90 ft., brick, face brick store building, Canal and Claiborne Sts.; Montz & Maroney, Archts., Title Guarantee Bldg., New Orleans.*

La., New Orleans—Security Building & Loan Assn., Maison Blanche Bldg., awarded contract to New Orleans Construction Co., Maison Blanche Bldg., for \$11,800 store and residence, Magazine, Milan, Gen. Pershing and Camp Sts.

Miss., Hazlehurst—Segrest & Alfred, Contrs., will erect \$25,000 2-story brick business building on Gallatin St.

Miss., Magee—Mims Williams is erecting \$30,500, brick, concrete and frame, 1-story, 140x120 ft. store and warehouse; built-up composition roof, reinforced concrete foundation, concrete and wood flooring, metal ceilings, metal doors, vaults, ventilators; C. H. Lindsley, Archt., Jackson, Miss.; owner will purchase material and let sub-contracts; desire bids on vault equipment, roofing, plate glass fixtures.

Mo., St. Louis—G. Meneski and wife, 907 N. 7th St., awarded contract to C. Zerillie Co., 3033 Cass St., St. Louis, for \$15,000, 2-story stores and dwelling, 908-10 N. 7th St.; 32x52 ft., composition roof, furnace heat; Ewald & Allen, Archts., Rialto Bldg., St. Louis.

N. C., Greensboro—R. L. Lambeth, 110 S. Mendenhall St., awarded contract for extension and remodeling building occupied by O. Henry drug store; \$30,000; Harry Barton, Archt., Jefferson Bldg., Greensboro.

Okl., Oklahoma City—Littlepage Brothers awarded contract to E. N. Redmon, 1735 West 2nd St., Oklahoma City, for 2-story, \$30,000, brick, 52x90 ft. store rooms and hotel; tar and gravel roof, concrete foundations, cement and pine floors, hollow tile; W. J. Laws & Co., Archts., 1st Nat'l Bank Bldg., Oklahoma City.*

Tenn., Loretto—Frank Meiers is erecting 2-story, 35x100 ft. store building; built-up roof, hollow tile, metal ceilings, metal doors, vaults, ventilators, ornamental terra cotta, steel sash and trim, wire glass; owner builds.*

Tenn., Loretto—M. H. Weathers is erecting business building; owner builds.

Tex., Dallas—C. B. and Joseph Cohen, 2531 Forest St., awarded contract to Christy-Dolph Construction Co., Central Bank Bldg., for \$20,000; 1-story with mezzanine floor brick business building, 120 W. Jefferson St.; F. J. Woerner & Co., Archts., Central Bank Bldg.

Tex., Dallas—J. W. Rogers, 914 S. Ervay St., awarded contract to Stearman & Son, Slaughter Bldg., for \$16,000, 1-story brick and stone business building; H. A. Overbeck, Melba Theater Bldg., Archt., Dallas.*

Tex., Greenville—Wise-Phillips Building on Lee St. is being remodeled and new store front installed; will be occupied by Fallis Variety Store.

Warehouses

Fla., Tampa—F. J. Kennard & Son, Archts., awarded contract to R. J. Gallespie, Jacksonville, for erecting warehouse for Crane Co., 836 S. Michigan Ave., Chicago, Ill.

MACHINERY, PROPOSALS AND SUPPLIES WANTED

Air Compressor.—J. F. Foster (Mchy. Dealer), 205 Old South Bldg., Boston, Mass.—Wants 650 to 800 ft. compound steam and air compressor for 60 to 75 lbs. pressure; state price, type and condition; prefer Ingersoll-Rand type.

Air Compressor.—E. C. Sherwood, Room 1953, Hudson Terminal Bldg., New York.—Wants Ingersoll-Rand type XRPV steam driven air compressor with piston valves and automatic cut-off, duplex type with approximately 1200 cu. ft. displacement; also boiler to operate same.

Air Compressor.—Keppel & Co., Chester, Pa.—Wants air compressor, belt driven, 100 to 150 cu. ft. per min.

Air Compressor.—R. E. Suggs, 1516 Healey Bldg., Atlanta, Ga.—Wants one 2000 to 3000 ft. air compressor, either steam, electric or belt drive; must be late type; state condition, etc.

Air Compressor.—See Water Works Supplies.

Alternator.—Wilson-Hock Co., (Mchy. Dealer), City Point, Va.—Wants 400 k.w., 3 phase, 60 cycle, 550 volts, 300 r.p.m. belt driven alternator.

Automobile Accessories.—Geo. W. Weaver, Box 335, Gulfport, Miss.—Wants prices on automobile accessories; correspond with manufacturers.

Automobile Lock.—Coy Auto Manifold Lock Co., E. V. Cly, Sec., 230 Loban Bldg., St. Joseph, Mo.—Wants to contract for the manufacture of a special automobile lock; correspond with manufacturers.

Bed Room Furniture.—George W. Gray, Vero, Fla.—Wants prices on complete furnishing for 20 bed rooms.

Blasting Mats.—Edward W. Peters, 103 Lower Mulberry St., Danville, Penna.—Wants blasting mats.

Boilers.—See Engines (Hoisting).

Boller.—See Air Compressor.

Boller.—J. J. Hayes, Mayor, Vicksburg, Miss.—Will receive bids July 21 for steam boiler for water works; M. L. Worrell, Engr. and Mgr.

Bookcases.—See Library Furnishings.

Brass Pipe Fittings.—Board of Awards, F. A. Dolfield, Register, City Hall, Baltimore, Md.—Will receive bids June 25 to furnish and deliver brass service pipe fittings to the water department; V. Bernard Siems, Water Engr.

Bridge.—City of St. Petersburg, Fla. Details under Construction News—Bridges, Culverts, Viaducts.

Bridge.—State Highway Dept., Jefferson City, Mo., will build 22 bridges. Details under Construction News—Bridges, Culverts, Viaducts.

Bridge.—Lawrence County, Monticello, Miss., will build 2 bridges. Details under Construction News—Bridges, Culverts, Viaducts.

Bridge.—Colleton and Hampton Counties, Walterboro, S. C., will build 2 bridges. Details under Construction News—Bridges, Culverts, Viaducts.

Bridge.—Laurens County, Laurens, S. C. Details under Construction News—Road and Street Construction.

Bridge.—Boyd County, Catlettsburg, Ky., will improve 16 bridges. Details under Construction News—Bridges, Culverts, Viaducts.

Bridge.—Greenwood County, Greenwood, S. C. Details under Construction News—Road and Street Construction.

Bridge.—Monroe County, Key West, Fla. Details under Construction News—Bridges, Culverts, Viaducts.

Bridge Resurfacing, etc.—Navy Dept., Bureau of Yards and Docks, Washington, D. C.—Will receive bids June 23 for new plank top flooring and bituminous wearing surface at the Marine Flying Field, Quantico, Va.; Specification No. 4987.

Canning Machinery.—Granite City Cannery, T. N. Colley, Pres., Box 762, Elberton, Ga.—Wants machinery for canning plant, daily capacity 3000 cans fruits and vegetables.

Cars (Dump).—C. M. Roswell (Mchy. Dealer) 1162 Marlyn Rd., Philadelphia, Pa.—Wants ten 6-yd., 2 way dump cars, standard gauge.

Concrete Mixers, etc.—James Eberts Co., 605 Citizens Bank Bldg., West Palm Beach, Fla.—Wants concrete mixers, etc.

Cork Insulation.—See Market House Equipment.

Crane (Locomotive).—Wilson-Hock Co., City Point-Hopewell, Va.—Wants 20 to 25 ton capacity locomotive crane with 40 to 45-ft. boom, standard gauge, 8 wheel, equipped with double drums for bucket but without bucket.

Crane (Locomotive).—The North State Lumber Co., Box 464, Charleston, S. C.—Wants a 10 to 15-ton, 8-wheel locomotive crane.

Crane (Locomotive).—R. E. Suggs, 1516 Healey Bldg., Atlanta, Ga.—Wants one 12 to 15 ton 8 wheel locomotive crane with 50-ft. boom; state condition, etc.

Desks (School).—Pitt County Board of Education, R. G. Fitzgerald, Supt., Greenville, N. C.—Wants prices on desks for \$27,500, 10-room school building at Bethel.

Dredging.—Board of Awards, F. A. Dolfield, Register, Baltimore, Md.—Will receive bids June 25 for dredging in Baltimore harbor; Bancroft Hill, Harbor Engr.

Drill Press.—Wilson-Hock Co., (Mchy. Dealers), City Point, Va.—Wants 4 or 5 spindle high speed multiple drill press, used equipment desired.

Drive Gear.—Geo. A. Main, Consult. Engr., 14 Baker St., Daytona, Fla.—Wants description and prices on gearing adapted for driving centrifugal pumps from internal combustion engines.

Electric Generator Outfit.—Central Light & Power Co., Ltd., Amite, La.—Wants 1000 KW mixed pressure turbo unit, 3 phase, 60 cycle, horizontal type; used equipment.

Electric Light and Water Works.—City of Texola, Okla. Details under Construction News—Electric Light and Power Plants.

Electric Fixtures.—Rev. E. L. Grose, First Baptist Church, South Charleston, W. Va.—Wants electric fixtures for \$50,000 church and Sunday school building; proposals within next 30 or 45 days.

Electric Plant (Home).—Charles C. McCune, Lake Worth, Fla.—Wants home electric plant to furnish a 110 volt current, prefer working automatically; starting the generator when current is on and stopping when the current is not in use; however, could use storage battery of 110 volts.

Elevator (Electric).—J. G. Staton, Williamston, N. C.—Wants electric power elevator, 6x6 or 6x8 ft. platform, 2000 lbs. capacity; state price, condition and make. complete with boilers and swingers; state condition, etc.

Engine.—Wilson-Hock Co., (Mchy. Deal-

ers), City Point, Va.—Wants one 28x48-in. and one 18x36-in. Corliss engine or equivalent approximately 350 h. p.; right-hand, good condition.

Engines.—City of Lafayette, La., H. R. Bodemuller, Supvr. Engineer.—Will receive bids June 24 for two 600 h. p. Diesel engines with alternators, 13 panel switchboard and street lighting transformers.

Engines (Hoisting).—R. E. Suggs, 1516 Healey Bldg., Atlanta, Ga.—Wants three 8x10-in. or 10x12-in. two drum hoisting engine

Filter Alum.—Department of Public Utilities, Richmond, Va.—Will receive bids June 25 to furnish 900 tons of filter alum during a period of one year; state prices in barrels, delivery in carload lots, f. o. b. siding, City Filter Plant, Korah, Va.

Floor Surfacing Machine.—L. C. Bouey, Clinton, N. C.—Wants floor surfacing machine to operate by electricity; names and addresses manufacturers.

Flooring (Wood Block).—Board of Education, Independent School District of Wheeling, W. Va., Ben E. Hamilton, Bus. Mgr.—Wants prices on wood block floors for \$350,000 grade school building. (See Building Proposed—Schools).

Forging Hammer.—Edward W. Peter, 103 Lower Mulberry St., Danville, Penna.—Wants 2000 lb. Erie or Chambersburg double leg steam forging hammer.

Furnishings (School).—Jas. C. Hemphill, Greenwood, S. C., Archt. for \$36,000 2-story and basement school building at Calhoun Falls, S. C.—Wants prices on desks, teachers' desks and chairs, window shades and auditorium seats.

Furniture.—See Library Furnishings.

Furniture (Pulpit).—Rev. E. L. Grose, Pastor, First Baptist Church, South Charleston, W. Va.—Wants pulpit furniture for \$50,000 church and Sunday school building; proposals within next 30 or 45 days.

Gas System.—State Board of Public Affairs, Oklahoma City, Okla.—Will receive bids June 20 for installation and completion of low-pressure distribution system for gas on Campus of University of Oklahoma, Norman, Okla.

Generator (Electric).—R. S. Armstrong & Bros. Co., (Mchy. Dealer) Atlanta, Ga.—Wants 50 k. w., 125 volt, D. C. generator, belt drive type.

Generators (Electric).—C. A. Wilkie, Wallaceville, S. C.—Wants to correspond with manufacturers of electric generators.

Glass (Art).—Rev. E. L. Grose, Pastor, First Baptist Church, South Charleston, W. Va.—Wants art windows for \$50,000 church and Sunday school building; proposals within next 30 or 45 days.

Glass (Plate).—Mims Williams, Magee, Miss.—Wants bids on plate glass for \$30,500 store and warehouse.

Glass and Crystal Panes, etc.—S. Millet, Ronda S. Pedro, 33, Barcelona, Spain.—Wants to correspond with manufacturers of glass and crystal panes, also sanitary articles, with view to representation.

Gravel.—Louisiana Highway Comsn., Raymond Bldg., Baton Rouge, La.—Will receive bids June 24 to furnish gravel for surfacing following highway; State Project 90, Pointe Coupee Parish, New Roads—Simmesport Highway; J. M. Fourmy, State Highway Engr.

Gravel, etc.—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, La.—Will receive bids June 26 to furnish either gravel

shells to surface .644 mi. in Calcasieu Parish.

Grinding Machine.—Tru Jo Chemical Co., Box 1108, Roanoke, Va.—Wants machine to grind sawdust.

Heating Plant (Steam).—City Clerk, Winder, Ga.—Wants prices on steam heating plant for high school.

Heating System.—West Texas National Bank, Spring, Tex.—Will receive bids June 30 for changing present heating system to the Marsh Vapor system; plans obtainable from bank or Hogue Heating Engr., Trust Bldg., San Angelo, Tex.

Heating System.—S. C. Wallace, Treas. Methodist Church of Crystal Springs, Miss.—Wants prices on installation of low-pressure heating system.

Heating System.—Rev. E. L. Grose, Pastor, First Baptist Church, South Charleston, W. Va.—Wants heating plant for \$50,000 church and Sunday school building; proposals within next 30 or 45 days.

Hoists.—Wilson-Hock Co., (Mchy. Dealers), City Point, Va.—Wants motor driven hoist complete with 220 volts, 3 phase motor and starter, capable of pulling 4 ton car up 35 ft. per cent incline at 200 to 300 ft. per minute, length of incline 1000 ft.; used unit desired.

Hose (Fire).—City of Vicksburg, Miss., J. J. Hays, Mayor.—Will receive bids July 7 for 2500 ft. of cotton rubber lined, 3 ply, 2½-in. fire hose.

Hydrants (Fire).—District Commrs., Room 509, Dist. Bldg., Washington, D. C.—Will receive bids June 27 to furnish 100 low pressure fire hydrants.

Ice Plant.—C. R. Nickerson, Belhaven, N. C.—Wants data and prices on ice plant of about 15 ton capacity, using electricity for power.

Ice and Refrigerating Plant.—Treasury Dept., Supvg. Architect's Office, Washington, D. C.—Will receive bids July 9 for ice making and refrigerating plant at the U. S. Marine Hospital, Savannah, Ga.

Interior Finish and Fixtures.—People's National Bank, C. B. Keese, Pres., Martinsville, Va.—Wants interior finish and fixtures.

Lathe.—Wilson-Hock Co., (Mchy. Dealers), City Point, Va.—Wants 26-in. swing 14 ft. bed or lathe that will swing a roll 18-in. diam. and 10 ft. long between centers.

Library Furnishings.—Dist. Commrs., Room 509 District Bldg., Washington, D. C.—Will receive bids July 1 to furnish movable furniture, metal book stacks, wood-book-cases, glazed partitions, seats, etc. for Mt. Pleasant Branch Library.

Lighting and Wiring System.—Treasury Dept., Supvg. Archt. Office, Washington, D. C.—Will receive bids June 25 for miscellaneous alterations to the conduit wiring and lighting system of the U. S. Post Office, at Bowling Green, Ky.

Locomotive.—C. M. Roswell (Mchy. Dealer) 1162 Marlyn Rd., Philadelphia, Pa.—Wants used American saddle tank locomotive, size 14x22, standard gauge, 4 wheel, type with ASME boiler equipped with MCB automatic couplers and air brakes; state age, shop number and location.

Lumber.—U. S. Marine Corps, Quartermaster's Dept., Washington, D. C.—Will receive bids June 23 to furnish 5000 B. M. ft. lumber, yellow pine; delivery Quantico, Va. Sch. 582.

Lumber.—Nathan Pollack & Co., Box 902, Louisville, Ky.—Wants 250,000 sq. ft. of 12x12-in. and 12x16-in. rough timber for girders; prices on both short and long leaf yellow pine.

Lumber.—U. S. Marine Corps, Quartermas-

ter's Dept., Washington, D. C.—Will receive bids June 17 to furnish 166,500 B. M. ft. yellow pine lumber; delivery Quantico, Va. Sch. 571.

Lumber Mill Machinery.—James Eberts Co., 605 Citizens Bank Bldg., West Palm Beach, Fla.—Wants machinery for lumber mill.

Market House Equipment.—Auditorium Market House Comsn., Memphis, Tenn.—Will receive bids June 25 for market counters, general construction including brick, steel, cement, plastering and terrazo work; market counters, special equipment including refrigerated chambers, glass counters tops, soda fountains counters, cork insulation, etc.; furnish and erect two reinforced asbestos curtains with all necessary hoisting equipment required for same; Charles O. Pfeil and George Awsumb, Archts.

Metal Lath Work.—Jennings Construction & Engineering Co., First Nat'l Bank Bldg., El Paso, Tex.—Wants to contract for the erection of approximately 7000 sq. yds. of metal lath and channel.

Metal Shelves.—See Library Furnishings.

Miscellaneous Supplies.—R. Verstraeten L. Tasnier, Boulevard Adolphe Max, 98, Brussels.—Wants to correspond with manufacturers of following with view to representation: Machines for making ropes, pack-thread, hemp, mats and straw mats; grinding, crushing and pulverizing; also for manufacture of chicory, brewery and malt-making.

Miscellaneous Supplies.—Kyodo Kikak Hanbaisho, 25 Sanchome, Honzaimoku-cho, Kyobashiku, Tokyo, Japan.—Wants to correspond with manufacturers of the following with view to representation: Machine tools, work shop equipment, hand tools, steam and pneumatic fittings, packings, beltings, track tools, general industrial supplies and hoisting and conveying equipment.

Miscellaneous Supplies.—Heinrich Schubert & Co., Berlin N. 24, Germany.—Wants to correspond with manufacturers with view to representing the following: metal and wood-working machinery and lathes; machinery for sheet iron; turning lathes; pumps; vises; files; chucks; drills; cutters; stocking dies; oil filters; fittings; technical novelties; wood pulleys; transmission parts; hangers; leather belting; polishing machines, copper, white metal, etc.

Motor (Electric).—Wilson-Hock Co., (Mchy. Dealers), City Point, Va.—Wants 150 and 200 h. p., 3 phase, 60 cycle, 2200 volts, induction pipe motors; good used equipment desired.

Motor.—Wilson-Hock Co., City Point-Hopewell, Va.—Wants 200 h. p. 3 phase, 60 cycle, 2200 volt, 600 rpm, slip ring or squirrel cage motor.

Moulder.—Wrenn-Columbia Furniture Co., High Point, N. C.—Wants slightly used 9-in. four side moulder.

Oils, etc.—South Carolina State Highway Dept., Columbia, S. C.—Will receive bids for gasoline, oil and grease for motor vehicles fuel and lubricants to be used by the department, from July 1 to December 31.

Organ.—Rev. E. L. Grose, Pastor, First Baptist Church, South Charleston, W. Va.—Wants organ for \$50,000 church and Sunday school building; proposals within next 30 or 45 days.

Painting, etc.—Board of Awards, F. A. Dolfield, Register, City Hall, Baltimore, Md.—Will receive bids June 25 for repairing and painting roof, cornice and downspouts at No. 61 school, Linden Ave. and Koenig St.; C. H. Osborne, Inspector of Buildings.

Paving.—City of St. Louis, Mo. Details under Construction News—Road and Street Construction.

Paving.—City of Poor Fork, Ky. Details under Construction News—Road and Street Construction.

Paving.—City of Baltimore, Md.—Details under Construction News—Road and Street Construction.

Paving.—Nolan County, Roscoe, Tex. Details under Construction News—Road and Street Construction.

Paving, etc.—City of Monroe, La. Details under Construction News—Road and Street Construction.

Paving, etc.—Oakmont Improvement Co., Wheeling, W. Va.—Details under Construction News—Road and Street Construction.

Piano.—Rev. E. L. Grose, Pastor, First Baptist Church, South Charleston, W. Va.—Wants piano; proposal within next 30 or 45 days.

Pier Repairs.—Navy Dept., Washington, D. C. Details under Construction News—Miscellaneous Construction.

Pipe (Water).—H. J. Graeser, Engr., Temple, Tex.—Will receive bids June 23 for 10,000 lin. ft. 6-in. Class C cast-iron water pipe.

Pipe (Lead).—The Wallace M. Quinn Co., Chistfield, Md.—Wants lead pipe; correspond with manufacturers.

Pipe.—Edward W. Peters, 103 Lower Mulberry St., Danville, Panna.—Wants 2000 ft. of 6-in. cast iron, B and S pipe, Class C.

Pipe (Gas).—See Sewer System, etc.

Pipe, Castings, etc.—Board of Awards, F. A. Dolfield, Register, City Hall, Baltimore, Md.—Will receive bids June 25 to deliver cast iron pipe, special castings and flanged special castings to the Highways Engr. Department. Bernard Crozier, Highway Engr.

Plaster.—Co-operative Apartments Co., 323 N. Charles St., Baltimore, Md.—Wants bids on plaster for \$130,000 apartment house at 102 W. 39th St. (See Building Contracts Awarded—Hotels and Apartments.)

Portland Cement.—Mississippi River Commission, 140 Decatur St., New Orleans, La.—Will receive bids June 24 to furnish 5000 bags of Portland cement.

Pumps.—See Water Works Supplies.

Railroad Building Materials.—Norfolk & Western Ry. Co., Clyde Cocke, Asst. Purchasing agent, N. & W. Ry. Bldg., Roanoke, Va.—Will receive bids until June 25 for following materials from July 1 to Sept. 30: Couplers and parts, Contr. Serial No. AA-360; wire fencing, Contr. Serial No. AA-310; locomotive steel ties, Contr. Serial No. AA-311; steel springs, Contr. Serial No. AA-312; 2000 net tons steel shapes Contr. Serial No. AA-313.

Rails.—Frank Mitchell Contracting Co., Greenville, N. C.—Wants to rent for ten months 7½ mi. of 2 to 35 lbs. of second-hand relay rails with rail splices, good condition; state rental price, including freight to and from Aulander, N. C.

Rails.—C. M. Roswell (Mchy. Dealer) 1162 Marlyn Rd., Philadelphia, Pa.—Wants 60, 65, 70 or 75 lbs. re-laying rails, Standard mill lengths, first quality.

Refrigeration System.—See Market House Equipment.

Road.—Greenwood County, Greenwood, S. C. Details under Construction News—Road and Street Construction.

Road.—State Highway Dept., Jefferson City, Mo., will build 7 roads. Details under Construction News—Road and Street Construction.

Road.—Williamson County, Georgetown, Tex. Details under Construction News—Road and Street Construction.

Road.—Edwards County, Rocksprings,

Tex. Details under Construction News—Road and Street Construction.

Road.—Mingo County, Williamson, W. Va. Details under Construction News—Road and Street Construction.

Road.—Louisiana Highway Comm., Baton Rouge, La. Details under Construction News—Road and Street Construction.

Road.—Mingo County, Williamson, W. Va. Details under Construction News—Road and Street Construction.

Road.—State Highway Dept., Jefferson City Mo., will build 22 roads. Details under Construction News—Road and Street Construction.

Road.—Edgefield County, Edgefield, S. C. Details under Construction News—Road and Street Construction.

Road.—Laurens County, Laurens, S. C. Details under Construction News—Road and Street Construction.

Road.—Colleton and Hampton Counties, Walterboro, S. C. Details under Construction News—Bridges, Culverts, Viaducts.

Road.—Monroe County, Key West, Fla. Details under Construction News—Road and Street Construction.

Roofing.—Mims Williams, Magee, Miss.—Wants bids on roofing for \$30,500 store and warehouse.

Rope.—U. S. Marine Corps, Quartermaster's Dept., Washington, D. C.—Will receive bids June 19 to furnish 1000 ft. wire rope, delivery Quantico, Va. Sch. 577.

School Furnishings.—A. J. Lovett, Supt. School Board, Blackwell, Okla.—Wants prices on 300 nos. 1 and 2 single desks, semi-steel; 200 single lockers, 12x12x60 inches; 1500 sq ft. Hyloplate; 10 ventilating stoves; 50 sections for sectional book cases.

School Supplies.—Board of Education, A. E. Musrush, Clk., 400 N. Walnut Ave., Oklahoma City, Okla.—Will receive bids June 23 for following: general school supplies, janitor supplies, art, primary, science and kindergarten supplies and library books, also manual training lumber, etc.

Seating.—Rev. E. L. Grose, Pastor, First Baptist Church, South Charleston, W. Va.—Wants church pews and opera chairs for \$50,000 church and Sunday school building; proposals within next 30 or 45 days.

Seating.—Pitt County Board of Education, R. G. Fitzgerald, Supt., Greenville, N. C.—Wants prices on auditorium chairs for \$27,500, 10-room school building at Bethel.

Seating.—Asbury M. E. Church, Rev. Stewart Brown, Pastor, 1830 E. Eager St., Baltimore, Md.—Wants seating for \$60,000, 45x78 ft., church.

Seating.—Jas. C. Hemphill, Archt., Greenwood, S. C. See Machinery Wanted—Furnishings (School).

Sewer Extension.—City of St. Petersburg, Fla. Details under Construction News—Sewer Construction.

Sewer System, etc.—Board of Directors of Oakmont Improvement Co., 703 National Bank Bldg., Wheeling, W. Va.—Will receive bids June 30 for 1300 lin. ft. of 6-in., 3400 lin. ft. of 8-in., 1600 lin. ft. of 10-in., 730 lin. ft. of 12-in., 1100 lin. ft. of 24-in., 480 lin. ft. of 30-in. vitrified tile sewer; 32 manholes; 29 drop inlets; 7000 lin. ft. of 6-in. cast iron pipe, 6820 lin. ft. of 4-in., wrought iron gas pipe; 610 lin. ft. of 6-in. wrought iron pipe; Conrad & Pugh, Engrs., Wheeling.

Sewer Material.—Board of Awards, F. A. Doldfield, City Reg., City Hall, Baltimore, Md., will receive bids June 25 to furnish and deliver 300,000 lbs. of manhole, sewer inlet and similar iron castings Material Con-

tract No. 46; Bernard L. Crozier, Highways Engr.

Sheet Metal Building.—Wilson-Hock Co., City Point-Hopewell, Va.—Wants sheet-metal type building, approximately 40x100-ft., small building will be considered or material for constructing same; used building desired, Southeastern Virginia delivery.

Shovel (Steam or Oil).—Sidney M. Carter, Ronda, N. C.—Wants steam or Diesel oil power shovel from $\frac{3}{4}$ to $\frac{1}{2}$ yard capacity, traction wheels.

Smoke Stack.—Wilson-Hock Co., (Mchy. Dealers), City Point, Va.—Wants 10 ft. diam. and 150 ft. high self supporting steel smoke stack.

Sprinkler System.—E. A. Menninger, Pres. South Florida Developer, Inc., Stuart, Fla.—Wants data and prices on sprinkler system.

Steel.—See Market House Equipment.

Steel for Radio Towers.—Navy Dept., Bureau of Yards and Docks, Washington, D. C.—Will receive bids June 23 for addition of steel out-riggers on radio towers at Navy Yard, Washington; Spec. 4988.

Street Improvement.—City of Salisbury, N. C.—Details under Construction News—Road and Street Construction.

Superheaters.—See Water Works Supplies.

Tank (Storage).—Wilson-Hock Co., (Mchy. Dealers), City Point, Va.—Wants 500,000 gal. capacity tank for storage purposes, will consider only used tank, state price.

Textile Machinery.—C. F. Avery, 205 West Main St., Oklahoma City, Okla.—Wants machinery to manufacture cotton underwear and hosiery, small unit; also machinery for spinning cotton yarns for that class of goods.

Textiles.—Dist. Commrs., Room 509, District Bldg., Washington, D. C.—Will receive bids June 25 to furnish 6000 running yards of cotton press cloth.

Track (Roller Bearing Gravity).—Old Dominion Orchards Co., Inc., Wm. B. Alwood, Sec., Greenwood, Va.—Wants 10 and 14-in. roller bearing gravity track.

Tractors.—E. H. Morford & Co., Charleston, W. Va.—Wants two 5 or 10 ten Holt tractors; good operating condition.

Transformers.—Wilson-Hock Co., City Point-Hopewell, Va.—Wants three 50 k.v.-a single phase, 60 cycle, 2200 volt primary, 550 volt secondary; three 6600-2200 volt single phase, 60 cycle, 50 to 75 k.v.-a each.

Turbine Wheels.—C. A. Wilkie, Sec. Trout-Wilkie Lumber Co., Forest City, N. C.—Want to correspond with manufacturers of turbine wheels.

Turbine Wheels.—C. A. Wilkie, Wallaceville, S. C.—Wants to correspond with manufacturers of turbine wheels.

Unloading (Coal) Equipment.—Parker Coal Co., Inc., corner McGee and S. Cedar St., Greensboro, N. C.—Wants unloading device and conveyors for coal yard, similar to the trough and drag type, using link belt and cross bars, probably 75 ft. in one piece with 125 ft. or more in another line; also portable unloader.

Vault.—Peoples National Bank, C. B. Kee-see, Pres., Martinsville, Va.—Wants vault.

Vault Equipment.—Mims Williams, Magee, Miss.—Wants bids on vault equipment for \$30,500 store and warehouse.

Velocipedes, Toys, etc.—J. Larcada, Villegas 123, altos, Havana, Cuba.—Wants to correspond with manufacturers of velocipedes, hand cars, children's automobiles and toys of all kinds; also general hardware, with view to representation.

Water Works Equipment.—B. B. Hoskins,

Jr., Gonzales, Tex.—Wants to purchase water works equipment, including mains and hydrants for system to care for city of about 10,000 population.

Water Works Equipment.—Harold S. Brown, Clk., Town of Forest Park, Plant City, Fla.—Wants prices on water works system, including towers, pumps, fire plugs, pipe, etc.; correspond with manufacturers.

Water Works.—See Sewer System, etc.

Water Softening Plant.—Geo. A. Main, Conslt. Engr., 14 Baker St., Daytona, Fla.—Wants prices and description of dry chemical feed apparatus for feeding hydrated lime and soda to softening plants.

Water Works.—See Electric Light and Water Works.

Water Works Supplies.—City of Union City, Tenn.—Will receive bids June 18 for following water works supplies; air compressor, 55 lb. pressure with 3 phase 220 volt motor; 1 domestic supply pump, 750 g.p.m.; 2 boiler feed pump, 40 g.p.m.; 1 fire service pump, 1500 g.p.m.; 1 feed water heater of cast iron open type; 3 superheaters for 208 h.p. boilers and 3 reinforced settling tanks, 14x70x13 ft., 6x30x12 ft. and 10x50x12 ft.; C. H. Jenks, Engr., Union City, Tenn.

Water Works.—Town of Wayne, W. Va. Details under Construction News—Water Works.

Wheel Borer.—Edward W. Peters, 103 Lower Mulberry St., Danville, Penna.—Wants 48-in., wheel borer with facing attachments and crane.

Wheels (Bull).—R. E. Suggs, 1515 Healey Bldg., Atlanta, Ga.—Wants four 14-ft. iron bull wheels; state condition, etc.

Financial News

New Financial Corporations

D. C., Washington—Atlantic Brokerage Co., Inc., chartered by Chas. A. Wright, Jos. D. Eason, Jr., and Annie M. Wright.

D. C., Washington—Federal Finance & Securities Co., capital \$50,000, incorporated by A. Bushland, Cora F. Starritt and J. Berkley Moody.

Fla., Frostproof—Frostproof Securities Co., capital \$20,000, incorporated with L. Maxcy, Pres.; A. O. Matthews, Sec.-Treas.

Fla., Miami—Peninsular State Investment Co., capital \$10,000, incorporated with W. R. Hutchinson, Pres.; Irwin R. Waite, Sec.

Fla., Titusville—Brevard Abstract and Title Co., capital \$50,000, incorporated with A. R. Trafford, Pres.; James L. Mitchell, Sec.

Fla., Webster—Webster State Bank, capital \$15,000, incorporated with J. C. Getzen, Pres.; J. W. Caruthers, V. P.

La., Alexandria—Rapides Investment Co., capital \$40,000, incorporated with James W. Bolton, Pres.; James C. Bolton, Sec.-Treas.

La., Mansura—The Peoples Savings Bank, capital \$30,000, incorporated by Dr. Geo. L. Drouin, Dr. Harry J. Siess, J. C. Prevot and others.

Md., Baltimore—Evergreen Building Assn., Inc., 110 Prospect Ave., Roland Park, capital \$600,000, chartered by Frank C. Dorsey, Carroll McCormick and John W. Clark.

Md., Baltimore—Seaboard Insurance Co., 1010 Keyser Bldg., capital \$100,000, incorporated by Fannie Burris, Thelma Feick and Elsie E. Hoch.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Mo., Bismarck—Bismarck Building & Loan Assn., capital \$120,000, incorporated by Hugh Steel, J. F. Schroeder and J. C. Hunter.

Mo., Kansas City — Mid-Central Investment Co. incorporated by A. J. Summe, 2539 Jackson St., C. R. Nickolls, 3334 Bellefontaine St., C. E. Casper, 4114 Montgall Ave.

Mo., St. Louis—William A. Busch & Co., Inc., capital \$10,000, incorporated by Wm. A. Busch, 2919 Greer St., Wm. A. Busch, Jr., and others.

Mo., Springfield—State Securities Co. incorporated by E. Y. Mitchell, 610 E. Walnut St., James R. Shroyer and Mary A. Shroyer.

N. C., Gastonia—Gastonia Industrial Building Corp., capital \$100,000, incorporated by R. B. Babington, R. S. Ferguson and J. S. Lowe.

N. C., Raleigh—Pioneer Mutual Life Insurance Co. incorporated by Paul Neal, H. P. Brigman, J. S. Riggan and others.

Okla., Okmulgee—International Financing & Investment Co., capital \$25,000, incorporated by G. E. Rogers, Walter F. Buckthal and A. F. Boone.

Tenn., Nashville—United Banking Co., capital \$25,000, incorporated by M. E. Elliott, C. M. Rogers, E. P. Rose and others.

Tex., Fort Worth—Globe Investment Co., capital \$60,000, incorporated by W. H. Slay, 1420 Eighth Ave., U. M. Simon, M. E. Smith, W. T. Waggoner Bldg.

Tex., Wichita Falls—Auto Finance Corp. of Texas, capital \$100,000, incorporated by C. H. Featherstone, G. B. Bay and S. R. Featherstone.

New Securities

Ala., Montgomery—Street Improvement—City sold \$100,000 bonds to Caldwell & Co., Nashville, Tenn., at 102.05 and accrued interest.*

Ala., Talledega—Gas Plant—City sold \$75,000, 5½%, \$1000 denom. bonds to Steiner Brothers, Birmingham, Ala.

Fla., Bartow—Road—Polk County Comms. contemplate \$750,000 bond issue.

Fla., Clearwater—Road and Bridge—Pinellas County voted \$630,000 bonds. Address County Comms.*

Fla., Coconut Grove—Water—City will sell \$200,000 bonds; Harold deB. Justison, Mayor.*

Fla., Groveland—School—Lake County Bd. of Public Instruction, F. L. Owens, Chmn., will call election June 28 to vote on \$20,000 Special Tax School Dist. No. 36 bonds.

Fla., Lake City—Street Paving and Water—City, C. R. Horn, City Engr., will vote June 24 on \$135,000 bonds, including \$100,000 for street paving and \$35,000 for water extension.

Fla., Lakeland—Municipal Improvements—City voted \$1,069,000 bonds, including \$300,000 for hospital, \$100,000 for ground for city hall and municipal auditorium, \$87,000, athletic field and equipment; \$75,000, municipal library; \$25,000, fire station; \$40,000, municipal abattoir; \$25,000, negro hospital; \$20,000, stockade; \$40,000, jail and fire station; \$20,000, municipal incinerator; \$17,000, improve lake shore and erection of public parks; \$15,000, improve Roselawn Cemetery; \$10,000, comfort station; \$20,000, fire station on south side of Lakeland; \$275,000, city hall and municipal auditorium. Address The Mayor.*

Fla., Melbourne—Municipal Improvements—City, Joseph Masch, City Clk., voted \$165,000 bonds, including \$75,000 water; \$30,000 sewer; \$15,000 public buildings; \$35,000 city parks; \$10,000 paving.

Fla., Oneco—School—Manatee County Commissioners, B. D. Gullett, County Supt., Bradentown, will vote on \$4000 Prospect Dist. bonds.

Fla., Orlando — School — Orange County Board of Public Instruction sold \$25,000 6% \$1000 denom. Special Tax School Dist. No. 3 (Apopka) bonds to Bumpus & Co. at \$26,911 and accrued interest.*

Fla., Palmetto—School—Manatee County Comms., B. D. Gullett, County Supt., Bradentown, Fla., will vote on \$14,000 bonds.

Fla., Pensacola—School—Escambia County, Board of Public Instruction, Wm. Tyler, County Supt., will receive bids soon for \$6000, 6 per cent Special Tax School Dist. No. Four Molino bonds.

Fla., Sanford — Street Improvement — Seminole County sold \$72,000, 6% bonds to Spitzer, Rorick & Co., Toledo, Ohio.

Fla., Sarasota—Water and Electric Light Plant—City, H. I. Southwick, Clk., will receive bids July 7 for \$215,000, 6% bonds, including \$90,000 for water line extension and \$125,000 for electric plant reconstruction and extension.*

Ga., Atlanta—Improvement—City, J. K. Bachman, Chmn. of Finance, will receive bids this week for \$164,000, 5% bonds.

Ga., Brookhaven — DeKalb County, Cross Keys School Dist., will issue \$40,000 5½% bonds. Address County School Board.

Ga., Clarksville — Road — Habersham County plans \$400,000 bond issue. Address County Comms.

Ga., Dawson—Water—City will vote July 11 on \$40,000 bonds. Address The Mayor.

Ga., Graymont-Summitt—School—Emanuel County will vote on \$50,000 bonds. Address Pres. Emanuel County Institute Alumni Assn., Swainsboro, Ga.

Ga., Macon — Municipal Improvements — City, Osgood Clark, Clk., sold to Easterbrook & Co., New York, and Wm. E. Bush & Co., Augusta, Ga., at \$602.406 and accrued interest, \$600,000 4½% \$1000 denom. bonds, including \$150,000, bridge; \$225,000, sewer; \$100,000, paving; \$25,000, fire, and \$100,000, stadium.*

Ky., Greenville—Road—Muhlenberg County plans voting Sept. 2 on bonds. Address County Comms.

La., Baton Rouge—Improvement—Baton Rouge Electric Co., authorized issuance of \$1,000,000 bonds.

La., Colfax—School—Grant Parish sold \$35,000 5% Grant Parish School Dist. No. 16 bonds to Interstate Trust & Banking Co., New Orleans.

La., Farmerville — Road — Union Parish Police Jury, O. Baughman, Sec., will receive bids July 15 for \$400,000, 5¼%, \$1000 denomination, Road Dist. No. 9 bonds.

La., Homer—Road—Claiborne Parish Police Jury, R. Q. Etzel, Clk., sold \$800,000 6% bonds to Homer National Bank of Homer and Planters Bank of Haynesville, La., at par, accrued interest and 2 per cent on daily balances.*

La., Leesville — Road — Vernon Parish Police Jury, E. E. Jordan, Clk., will receive bids July 12 for \$250,000, 6% Road Dist. No. 3 bonds.*

La., Monroe — Road — Ouachita Parish Police Jury, W. A. O'Kelly, Clk., sold \$107,000, 6% bonds to Sutherlin & Barry, New Orleans, La., at par, accrued interest and premium of \$9624.*

La., Oak Grove—Water and Light—City will receive bids June 21 for \$45,000 6% \$1000 denom. bonds; L. Lipp, Clk.*

La., Opelousas—School—St. Landry Parish School Board, W. B. Prescott, Supt., will receive bids July 7 for \$90,000 6% \$1000 denom. School Dist. No. 4 bonds.

La., Port Meade—Paving—Board of Trustees will receive bids July 14 for \$23,000, 6% gold bonds.

Md., Annapolis—Road and Bridge Loans—Board of Public Works of Maryland sold \$1,800,000, 4½% bonds to syndicate composed of Mercantile Trust & Deposit Co., Calvert and Redwood Sts.; Stein Bros. & Boyce, 6 S. Calvert St.; Baker, Watts & Co., United States Fidelity & Guaranty Bldg., all Baltimore, and Estabrook & Co., New York.

Md., Ellicott City—Road and School—Howard County Comms., Michael J. Sullivan, Clk., will receive bids July 15 for \$380,000, 4½%, \$1000 denom. bonds, including \$200,000 road and \$180,000 school.

Md., Frederick—School—Frederick County Comms. will receive bids June 28 for \$95,000, 4½% bonds.

Md., Oxford—Water—Town voted \$40,000 bonds. Address The Mayor.

Md., Salisbury—Road—Wicomico County Comms., Henry Dennis, Clk., sold \$24,000, 5%, \$1000 denom. bonds to J. A. W. Iglehart & Co., 102 St. Paul St., Baltimore, at \$24,785.40.*

Miss., Canton—School—City voted \$15,000 Farmhaven School Dist. bonds. Address The Mayor.

Miss., Columbus — Bridge — Lowndes County, Board of Suprvs., contemplates \$80,000 bond issue.

Miss., Greenwood—School, Bridge—City, P. B. Dennis, City Clk., will receive bids this week for \$208,000, 6% bonds, including \$200,000 school and \$8000 bridge.

Miss., Hazelhurst—High School Heating System and Water Main Extension—City, C. O. McKinnell, Clk., will receive bids July 1 for \$10,000, 6% bonds; E. M. Cook, Mayor.*

Miss., Laurel—School—Jones County Bd. of Suprvs. sold \$5000 bonds to First National Bank of Laurel.

Miss., Magnolia—School—Loan Warrants—Board of Trustees, Pike County Agricultural High School, sold \$60,000 loan warrants to Bank of Commerce, Memphis, Tenn., at par, accrued interest, and premium of \$37.50.

Miss., Vicksburg — Bridge—Warren County Court, J. G. Sherard, Clk., Chancery Court, sold \$206,000, 6% bonds to Mississippi Valley & Trust Co., St. Louis, Mo., at par and premium of \$312.*

Miss., Vicksburg—Loan — Warren County Board of Suprvs., J. G. Sherard, Clk., will receive bids July 7 for \$15,000, 6% loan warrants.

Miss., Vicksburg — School Loan — Warren County, Board of Suprvs., J. G. Sherard, Clk., sold \$10,000, 5% loan warrants to First National Bank of Vicksburg.*

Miss., West Point — Sewer — J. L. Young, Mayor, advises city sold \$30,000, 6% sewer bonds at premium of \$1580.*

Mo., Broseley—School—City will vote on \$15,000 bonds. Address Pres. School Board.

Mo., Buffalo—Water—City will vote on \$40,000 bonds. Address The Mayor.

Mo., Carterville — School Gymnasium — City voted \$4000 bonds. Address Pres. School Board.*

Mo., Poplar Bluff—Filtration Plant—City will vote soon on \$15,000 bonds. Address The Mayor.

Mo., Webster Groves, Ind. Branch St. Louis—School—City sold \$160,000 5% bonds to Mississippi Valley Trust Co., St. Louis.*

N. C., Asheville—Public Improvement, Street Improvement—City sold \$600,000, bonds to A. B. Leach & Co., Merchants Trust Co., and Detroit Trust Co., all Detroit, at par and premium of \$6180.*

N. C., Benson—Improvement and Assess-

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ment—City, Ezra Parker, Mayor, will receive bids June 25 for \$175,000 6% bonds.*

N. C., Cherryville—School—Board of Trustees of Cherryville School Dist. will receive bids June 24 for \$30,000 6% \$1000 denom. bonds; M. A. Stroup, Sec.

N. C., Claremont—Electric Light and Power System—Board of Commrs., P. H. Moser, Sec., will receive bids June 25 to \$10,000, 6%, \$500 denom. bonds.

N. C., Fayetteville—Street Improvement—City, H. J. McBule, Clk., will receive bids June 23 for \$200,000 6% \$1000 denom. bonds.

N. C., Garner—School—Wale County Commrs., Wm. H. Penney, Clk., Raleigh, N. C., sold \$18,000 5½% bonds to Hanchett Bond Co., Chicago, Ill., at par and premium of \$100 and accrued interest.

N. C., Granite Quarry—School—Rowan County Commrs., Kerr Craig, Atty., Salisbury, will receive bids June 21 for \$25,000 \$1000 denom. School Dist. No. 7 bonds.*

N. C., Jackson—County Home—Northampton County sold \$45,000 bonds to Farmers' Bank of Jackson at premium of \$56.

N. C., Jacksonville—Water, Electric Light and Power System—City, John D. Warlick, Clk., will receive bids June 27 for \$12,000, 6%, \$500 denom. bonds.

N. C., Lumberton—School—Robeson County sold \$30,000, 6% Floral College Consolidated School Dist. bonds to Kalman, Gates, White & Co., St. Paul, at premium of \$2166.*

N. C., Newton—School—Catawba County sold \$30,000, 6% Longview School Dist. bonds to Kalman, Gates & White Co., St. Paul, at premium of \$1869.*

N. C., Smithfield—Water-Works—Town, J. A. Narron, Mayor, will receive bids June 21 for \$30,000, 6%, \$1000 denom. bonds; W. L. Fuller, Town Clk.

N. C., Stantonsburg—Water—City, O. G. Speel, Clk., will vote June 20 on \$12,000 bonds.*

N. C., Stantonsburg—Sewer—City will vote June 20 on \$35,000 bonds; O. G. Speel, Clk.*

N. C., Taylorsville—Street Improvement—City, C. C. Munday, Clk., will receive bids June 25 for \$80,000, 6%, \$1000 denom. bonds.

N. C., Wake Forest—Street, Sewer and Street Improvement—City, E. W. Timberlake, Jr., Clk., sold \$125,000, 6% bonds to J. C. Mayer & Co., Cincinnati, Ohio, at \$125,880 and accrued interest.

N. C., Winston-Salem—Municipal Improvements—Board of Aldermen Finance Committee, W. H. Holcombe, City Sec., will receive bids June 25 for \$3,491,000, 5½%, \$1000 denom. bonds, including \$1,100,000 street assessment; \$800,000 school; \$750,000 water; \$376,000 municipal market; \$290,000 general improvement; \$75,000 incinerator, and \$100,000 street improvement.

Okla., Chandler—Road—Lincoln County will vote this week on \$990,000 bonds. Address County Commrs.*

Okla., Jay—School—City voted \$6000 Delaware County School Dist. No. 6 bonds. Address Pres. School Board.

Okla., Ramona—Water—City voted \$20,000 bonds. Address The Mayor.

Okla., Stillwater—Road—Payne County defeated \$1,000,000 bond issue; Cecil G. Jones, County Clk.*

S. C., Calhoun Falls—School—Board of Trustees, E. M. Lander, Sec., sold \$50,000, 5½% bonds to Bank of Charleston, Charleston, S. C., at par plus \$325.*

S. C., Charleston—Drainage—Charleston County, Board of County Commrs., Wm. P.

Cantwell, Supvr., contemplates \$1,100,000 bond issue.

S. C., McCormick—School—City voted \$35,000 bonds. Address Pres. Board of School Trustees.

S. C., McCormick—School—Board of Trustees, G. C. McDaniel, Chmn., will receive bids June 23 at office of Ross & Owens, Attorneys, McCormick, for \$30,000 6% Washington School Dist. No. 25 bonds.

S. C., Parkville—School—Parkville, Modoc, Clarks Hill and Meriweather School Dist., voted \$30,000 bonds; J. H. Drennan, Jr., Chmn., of Board of Trustees.*

S. C., Summerton—Electric Light—City, H. Cain, Mayor, will receive bids June 20 for \$12,000, 5% or 6% bonds.

Tenn., Gallatin—Street Improvement—City sold \$50,000, 5% bonds to Caldwell & Co., Nashville, and First and Peoples National Bank of Gallatin, at premium of \$531.

Tenn., Harriman—Improvements, Filtering Plant—City will vote June 19 on \$100,000 bonds, including \$40,000 for filtering plant. Address The Mayor.

Tenn., Lawrenceburg—Electric Light and Water—City sold \$25,000 bonds to Caldwell & Co., Nashville, at premium of \$127.

Tenn., Maryville—Viaduct—City voted bonds. Address The Mayor.

Tenn., Memphis—Improvement—City, C. C. Pashby, Clk., will receive bids July 1 for \$270,000, 5% or 6% bonds.

Tenn., Rogersville—Road—Hawkins County contemplates \$75,000 bond issue. Address County Commrs.

Tex., Anderson—Road—Grimes County sold \$125,000, 5% bonds to Walter, Wood & Heimerdinger, Cincinnati, at 95.

Tex., Aransas Pass—School—City sold \$5000, 6% bonds to State of Texas at par; W. A. Scrivner, Pres. School Board.*

Tex., Batesville—Road—Zavalla County, Road Dist. No. 1, voted \$125,000 bonds; N. P. Hunt, County Judge.*

Tex., Claude—Electric Light—City voted \$35,000 bonds. Address The Mayor.*

Tex., Claude—Water—City voted \$45,000 bonds. Address The Mayor.*

Tex., Comanche—Road—Comanche County Road Dist. No. 5 voted \$50,000 5½% bonds. Address County Commrs.

Tex., Conroe—School—Montgomery County will vote June 21 on \$11,000 Common School Dist. No. 20 bonds. Address County School Supt.

Tex., Conroe—Sewer—City will vote June 27 on \$45,000 bonds. Address The Mayor or Baker & Von Zuben, 115 Weatherford St., Fort Worth, Tex.*

Tex., Coleman—Road—Coleman County defeated \$100,000 bond issue; W. E. Dickerson, County Engr.

Tex., Crosby—School—City voted \$35,000 bonds. Address Pres. School Board.

Tex., Dallas—Reservoir—City, Louis Blaylock, Mayor, sold \$3,000,000 bonds to Republic National Bank, Dallas, at 98.61.*

Tex., Georgetown—Road—Williamson County rejected \$30,000 5½% bonds; County Sinking Fund will purchase bonds.*

Tex., George West—Road—Live Oak County, Live Oak Road Dist. No. 8, voted \$568,000 bonds. Address County Commrs., Three Rivers, Tex.

Tex., Groveton—Road—Trinity County will vote July 12 on \$60,000 Road Dist. No. 1 bonds; F. J. Berry, County Judge.

Tex., Highland Park—Water and Street Improvement—City sold \$125,000 water and

\$100,000 street improvement bonds to Edwin Hobby & Co., Dallas.

Tex., Houston—Municipal Improvements—City, O. F. Holcombe, Mayor, voted \$4,500,000 bonds, including \$500,000 permanent paving, \$200,000 gravel paving, \$350,000 drainage, \$150,000 sanitary sewers, \$300,000 library, \$3,000,000 school.*

Tex., Jacksonville—Street Improvement—City will vote June 23 on \$100,000 bonds; H. N. Roberts, Const. Engr., Lubbock, Tex.

Tex., Jasper—Road—Jasper County, A. L. Hancock, County Judge, will vote June 21 on \$250,000 bonds.

Tex., Karnes City—Road—Karnes County will vote June 28 on \$125,000 bonds; H. R. Sutherland, County Judge.*

Tex., Kaufman—Road—Kaufman County purchased \$55,000 road bonds. Address County Commrs.

Tex., Kaufman—Road—Kaufman County Commrs. Court, J. E. Yates, County Auditor, will receive bids this week for \$25,000, 5% Road Dist. No. 5 bonds.

Tex., Lubbock—Street Improvement—City sold \$360,000 5½% \$1000 denom. bonds to Sutherlin, Barry & Co., New Orleans, La.

Tex., Lufkin—Water and Sewer—City Comm. authorized \$125,000 bond issue; T. L. Dunn, City Sec.

Tex., Marlin—Road—Falls County, W. S. Hunnicut, County Judge, will receive bids July 1 for \$115,000 5½% \$1000 denom. Road Dist. No. 6 bonds.*

Tex., Memphis—Road—Hall County Road Dist. No. 2 voted \$30,000 5½% bonds. Address County Commrs.

Tex., Nixon—School—City voted \$60,000 5½% bonds. Address J. F. Wood, Sec. Board of Trustees.

Tex., Normangee—Road—Leon County will vote this week on \$150,000 bonds. Address County Commrs.

Tex., Palestine—School—City will vote June 20 on \$110,000 bonds. Address Pres. School Board.

Tex., Refugio—Road—Refugio County, Austwell Precinct, voted \$375,000 bonds. Address County Commrs.

Tex., Rio Hondo—School—Board of Trustees of Rio Hondo Independent School Dist., J. P. Johnson, Sec., sold \$75,000 5½% bonds to T. H. Bowman, Austin, Tex., for Fred Emert & Co. at par, accrued interest and premium of \$763.*

Tex., Temple—Street Paving—City of Temple will purchase \$50,000 3% bonds; A. J. Graeser, Engr.*

Tex., Texarkana—Municipal Building—City will receive bids June 24 for \$197,000, 5%, \$1000 denom. bonds; W. H. James, City Sec.

Tex., Waxahachie—Road—Ellis County Commrs. Court, C. T. Spaulding, County Auditor, sold \$300,000 5½% bonds to Federal Commerce Trust Co., St. Louis, Mo., and Garrett & Co. and J. E. Blaine of Dallas at par, accrued interest and premium of \$152.

Va., Danville—School—City voted \$350,000 bonds. Address Pres. School Board.*

Va., Fort Myer Heights—Jail, etc.—Arlington County, Board of Suprvs., plans voting on \$200,000 bonds.

Va., Portsmouth—Water—City voted \$250,000 bonds; J. P. Jervey, City Mgr.*

Va., Richmond—Natorium—City voted \$85,000 bonds. Address The Mayor.

Va., Richmond—School—Henrico County, Varina and Fairfield Dist., will vote June 24 on \$150,000 and \$175,000 bonds. Address County Board of Education.

Va., Richmond—Road — Henrico County, Tuckahoe Dist., will vote this week on \$175,000 bonds. Address County Commrs.

Va., Strasburg—Water and Sewer—City will sell \$40,000 bonds. Address The Mayor.

Va., Virginia Beach—Water—City, W. H. Ashburn, Mayor, voted \$75,000 bonds.

W. Va., Bluefield—General Improvement—City sold \$100,000, 5% bonds to Westheimer & Co., 213 E. Redwood St., Baltimore.*

W. Va., Elkins—Street Paving—City defeated \$160,000 bond issue; O. S. Sayre, Mayor.*

W. Va., Fairmont—Municipal Improvements—City will vote July 22 on \$550,000 bonds, including \$400,000 street improvement, \$50,000 sewer additions, \$30,000 incinerators, \$20,000 aerial truck, \$50,000 for balance of Citizens' Bridge Syndicate. Address The Mayor.*

W. Va., Milton—Street Paving—City voted \$52,000 bonds. Address The Mayor.

W. Va., Morgantown—Municipal Hall and Sewer—City will vote June 26 on \$750,000 bonds, including \$150,000 for municipal hall and \$600,000 for sewers. Address City Mgr., Bayles.

W. Va., Princeton—Street and Sewer Improvements—City voted \$100,000 bonds. Address The Mayor.*

W. Va., Shinnston—Water, Sewer, Incinerator—City sold \$45,000, 5½% bonds to First National Bank of Shinnston, at premium of \$25.*

Financial Notes

Bank of Loretto, Tenn., W. C. Caperton, Cashier, will increase capital from \$12,000 to \$25,000.

Northfork Finance Corp., Dr. L. H. Clark, Pres., Bluefield, W. Va., plans increasing capital from \$100,000 to \$200,000.

Third Trust Co., Gastonia, N. C., increased capital from \$300,000 to \$400,000.

Tennessee Mutual Building & Loan Assn., Barney Strickland, Pres., Chattanooga, Tenn., plans increasing capital from \$125,000 to \$500,000.

City Industrial Bank, Charlotte, N. C., plans increasing capital from \$160,000 to \$300,000.

Williams Investments, Inc., New Orleans, La., increased capital from \$50,000 to \$300,000.

Twin City Permanent Building Assn., 113 W. Freemason St., Norfolk, Va., increased capital from \$5,000,000 to \$10,000,000.

Trade Literature

Complete Canning Machinery Book.

A large and comprehensive catalogue of more than three hundred pages concerning the various forms of canning machinery and canning supplies has been issued by A. K. Robins & Co., Inc., of Baltimore, Md. In addition to containing full particulars in the way of detailed descriptions and tabulated matter the book is very profusely illustrated so that purchasers can understand exactly what each piece of machinery looks like and also what is the appearance of each of the multitude of supplies and appurtenances which are used in the widely diversified canning industries. An important list is included, showing the supplies that are required under the

pure-food laws. This and other valuable information for canners will be appreciated by users of the catalogue, who can have questions arising in their minds answered immediately by referring to it. The officers of the firm, which has been many years in business, are Robert A. Sindall, president-treasurer; Harry R. Stansbury, vice-president, and J. S. Gourley, secretary.

Bulletin of Ballast Cars.

Zelnicker's Bulletin No. 322, entitled "Ballast Cars," has been issued by the Walter A. Zelnicker Supply Company of St. Louis, and will be sent free to the trade on request. Special reference is made to certain cars in stock.

Fine Catalogue About Flexible Shafts.

N. A. Strand & Co., 5001-5009 North Lincoln street, Chicago, Ill., have issued a very complete catalogue concerning "Flexible Shafts and Equipment." They have added many new types to their line, as well as several new attachments.

A Superior Publication.

The Okonite Company, Passaic, N. J., has issued a finely illustrated booklet concerning Okonite installations. The company manufactures insulated wires and cables, tapes, etc., and the booklet shows both railroad and power installations of these products in a very attractive manner. The illustrations are large and fine.

About Insurance Appraisals.

"When Insurance Insures, and When It Doesn't," is the title of a new booklet published by The American Appraisal Company of Milwaukee. The booklet deals with the use of an appraisal in the proper placing and collection of insurance and contains a number of interesting charts on price fluctuations and the operation of the co-insurance clause. Copies will be sent by the company upon request.

A Fine Catalogue and Reference Book.

A large and complete catalogue of more than 200 pages has been issued by the Jeffrey Manufacturing Company of Columbus, Ohio, fully illustrated and describing their coal and ashes handling machinery. This book, which is numbered 385, is finely printed on heavy paper and is strongly and attractively bound so as to withstand the use of frequent reference. The volume is divided into thirteen sections, each complete in itself and all forming a comprehensive whole. Jeffrey products have been known and used for nearly half a century and the results of long experience in manufacture are displayed in the catalogue which is designed to help engineers in selecting the proper equipment for particular conditions or requirements.

A Book of Superior Buildings.

"Buildings for Commerce and Industry" is the title given to a large and handsomely illustrated book issued by The Ballinger Company, architects, engineers and appraisers, of Philadelphia and New York. It covers sundry very interesting types of construction, especially for industrial buildings of various kinds, and particularly attractive is the "Super-Span" roof construction pictures of which show how unobstructed floor space is obtained and also a greater volume of light is enjoyed as a result of the use of this method of roof building. Pillars are eliminated and spaciousness is gained in every way. A complete description of the method is given on pages 48 and 49. There are illustrations of different buildings with the super-span roofs. Numerous other structures designed and erected under the supervision of the company are also pictured.

A Fine Pump Bulletin.

Crescent Vacuum Pumps are comprehensively described and illustrated in Bulletin No. 711, a publication of twenty-four pages devoted to the subject "Vacuum," and issued by the Chicago Pneumatic Tool Company, 6 East 44th street, New York city.

Book Reviews

The Industrial Worker, 1840-60. By Norman Ware, Ph.D. Boston and New York: Houghton-Mifflin Company. 1921. Cloth. Pp. 249. \$2.50.

The period of 1840 to 1860 in American history has been regarded almost exclusively from the standpoint of the slavery question. The aim of this book, which is one of the Hart, Schaffner & Marx prize essays in economics, is to portray the social and economic conditions underlying the industrial revolts of the '40s, to interpret the purposes of those involved and their reactions to the new industrialism, and to trace the genesis and evolution of the working-class reforms that resulted. Continuing, the introduction says, among other things, that between 1840 and 1850 the industrial worker found himself in the difficult position of losing ground both as consumer and producer. His consumption gains, participation in the general advance of the community, lagged behind his production losses. The gold discoveries mark the point where consumption rewards, for the skilled workers at least, began to increase. It was the encroachment of industrialism upon his local freedoms with no material compensation—rather the reverse—that led to the remarkable labor revolts of the period and the reform waves that swept over the land. In one sense the westward expansion of the American people was a flight from the new industrialism. This flight was the salvation of the individual worker, but it meant the destruction of his plans and organization. By 1855 all these movements and agitations had subsided. What was left of the moral force of the reform agitations was swept into the slavery struggle. The book will well repay perusal.

Accountants' Handbook. Edited by Earl A. A. Saliers, Ph.D., New York: The Ronald Press Company. 1924.

This handy and comprehensive volume of 1675 pages represents the tenth printing of a publication which gives the accountant what the engineering and other professions have long possessed—a compendium of accurate, concise information with which to answer the thousands of questions coming up in everyday practice. It assembles and explains formulae, figures, methods and processes which are constantly needed, but which cannot be carried in mind for immediate use. Besides refreshing the memory, it gives, in emergencies when special works are not immediately available, the principal points of topics on which information is required. It covers not merely accounting, but also many matters related thereto. The field of direct usefulness of this work includes treasurers, financial executives, credit men, controllers, bankers and engineers—in fact, anyone of whose work accounting forms a part. For accountants in both public and private practice it is indispensable, to be had within reach for quick reference whether in the office or in the field. The book is strongly bound in handsome fabric cover of dark blue with gilt edges and lettering.

INDUSTRIAL NEWS OF INTEREST

Items of news about industrial, railroad or financial interests, building operations, construction work, municipal improvements, or the sale of machinery or the letting of contracts in the South or Southwest, are invited from our readers whether they are advertisers, or subscribers or not. We invite information of this character from readers in the North and West about their Southern business operations, as well as from Southern readers. News of value will be published just as readily when from non-advertisers as from advertisers.

Two Representatives Appointed.

The Bryan Electric Company of Atlanta have been appointed distributors for Georgia for the Howell Electric Motors Company of Howell, Mich. The Stevens-Goin Electric Company of Jacksonville have also been appointed distributors for Florida, representing the same manufacturers.

Contract for Big Tanks.

The Pittsburgh-Des Moines Steel Co., with branch office at Richmond, Va., S. E. Andrews, representative, has been awarded a contract for furnishing two 250,000-gallon steel tanks on 100-foot towers for the city of Orlando, Fla., at a price in the neighborhood of \$28,000. Headquarters of the company are at Pittsburgh, Pa.

Annual Meeting of Managers.

The Buffalo Forge Company, Buffalo, N. Y., and its subsidiary companies, the Buffalo Steam Pump Company and the Carrier Air Conditioning Company, will hold the annual meeting of the managers of their branch offices at Buffalo next week for them to become familiar with new developments at the factories, etc.

Frank Congleton Caldwell.

Frank C. Caldwell of Chicago, a director of the Link-Belt Company of that city since its purchase of the H. W. Caldwell & Son Co., in 1921, died of heart failure there on May 15. He became ill while going to his bank and expired in an ambulance that was taking him to a hospital. Mr. Caldwell was born in Indianapolis in 1866 and went to Chicago early in the eighties to complete his law studies. He practiced law until 1892, when he became vice-president of the H. W. Caldwell & Son Co., of which he became president in 1908. He was held in high esteem by all who knew him. Mr. Caldwell was president of the National Metal Trades Association in 1911-1912 and was its treasurer from 1912 to 1922. He was a sturdy champion of the open shop idea and was also a sterling individualist, believing that general prosperity and happiness could result only through individual initiative and enterprise.

Sarell Wood Beal.

Sarell Wood Beal, vice-president and active manager of James D. Lacey & Co., timber land factors, Chicago, died suddenly Sunday, June 1, while on a train going from Chicago to Louisville, Ky. Accompanied by Thomas H. Hume of Muskegon, Mich., and R. A. H. Thompson, both business associates, he left Chicago at 10.15 P. M. and before retiring said he did not feel very well, although he seemed to be in normal health. Next morning he was found dead in his berth. He was always known as "Wood" Beal and he had a wide acquaintance, his business relations extending all over the country; the firm has branch offices in both New York and Seattle. He resided at Evanston, Ill. and was 54 years of age. Mr. Beal was concerned with all of the timber land affairs of the firm; he was secretary and manager of the Tensas Delta Land Co., Ltd., and of the Clallam Lumber Co., and he was also in all of the James D. Lacey & Co. operations in North Carolina, both hardwood and cypress. He leaves a widow, two sons and a daughter.

Sale Continued.

The sale of the property of the Smith Pond Creek Coal Company, Sprigg, W. Va., which was recently announced as to take place at Williamson, W. Va., on June 14, has been continued until Tuesday, July 1.

Dallas Branch Opened.

To better serve customers in the Southwest, the Chicago Pneumatic Tool Company has opened a branch office at 210 South Jefferson street, Dallas, Tex., with J. O. Bailey in charge, reporting to the New Orleans branch.

Chicago Offices Opened.

The MacArthur Service Corporation has opened Chicago offices in the London Guarantee & Accident Building, 360 N. Michigan Ave., Chicago, Ill., under the charge of Sam. J. Mills, vice-president. Mr. Mills was for a number of years vice-president of the MacArthur Brothers Company, general contractors, and its subsidiary, the United States Equipment Company. The MacArthur Service Corporation will carry on the business of contracting, inspection, examination and reports on railroad projects, dams, power houses, docks, structures, contractors' machinery, equipment, etc.

Two Business Appointments.

Max Riebenack 3d of Lansdowne, Pa., is now permanently connected with the Philadelphia branch office of the Industrial Works of Bay City, Mich., as district sales manager. He was formerly mechanical and research engineer with the National Aniline Chemical Company and the Industrial Separators Company of Philadelphia. Ben W. Beyer, Jr., of New York, formerly sales engineer with the Union Special Machine Company of Chicago, is also now with the Industrial Works of Bay City, being at their New York branch office as district sales engineer.

Engaged as Consulting Engineer.

Andrew M. Fairlie, consulting chemical engineer, Atlanta, Ga., has been retained by the Farmers Fertilizer Co. as consultant in connection with the operation and maintenance of their acid plants at Columbus, Ohio. It is understood that Mr. Fairlie has been particularly successful in reducing operating costs at chemical plants, among them that of the Baugh Chemical Co., of Baltimore, where he recently rendered valuable services. Besides reducing operating costs he also specializes in utilization of trades wastes and the development of chemical and mineral resources of the South.

Eastern Sales Agents Appointed.

The Lenher Engineering Co., 95 Liberty St., New York City, for twenty years sales agents for the S. Flory Manufacturing Co., of Bangor, Pa., have also been appointed recently as Eastern sales agents for the Bay City Foundry & Machine Co., of Bay City, Mich., manufacturers of power driven winches, capstans and cranes for motor trucks, as well as deck auxiliaries and the "Dreadnaught" vertical capstan and car puller. The Lenher Engineering Co. continues to represent the S. Flory Co. and has added to its staff an engineering salesman to specialize on the equipment herein mentioned for motor trucks.

An Improved Static Condenser.

A static condenser of improved design, embodying features of durability, efficiency, light weight, dimensions and cost per kv-a, has been put on the market by the General Electric Company, Schenectady, N. Y. It is designed for use by central stations and industrial concerns with a view to improving the power factor of the circuit, thereby increasing the available capacity of generators and transformers, decreasing energy losses in distribution systems, and improving voltage regulation, thus increasing the supply of power. An especially high-quality dielectric is employed which has enabled the manufacturers to cut down thickness of layers without reducing efficiency. Thus size and weight are less. Among other advantages claimed are efficiency and simplicity of operation and convenience of location. No attendant is required. The condensers are being marketed in standardized capacities for 40 to 125 cycle circuits, 220 to 2300 volts, in six sizes from 30 to 300 kv-a. For larger capacities the complete units are arranged in tiers or banks.

Scientific Orange Grove Development.

The Lake County Groves Corporation, which is developing 15,000 acres of citrus land in Lake county, Florida, has issued a very attractive and interesting, as well as instructive, booklet telling about their methods and accomplishments. The acreage that is being developed, and which is described as being of the best citrus land in the county, is situated several miles north of Lake Apopka and the work of development is under the direction of W. C. Daniells. Illustrations in colors show the effective results of scientific orange and grapefruit culture, and the descriptions tell about what is done before the groves are put on sale. Other pictures in black and white show the extent of the groves and their appearance after setting out and development.

New Chicago Factory Branch Building.

A new factory branch of the Electric Storage Battery Company of Philadelphia is now under construction in Chicago, where a tract of about three acres of land has been purchased on Western avenue near 47th street, and upon which a first unit of about 75,000 square feet will be completed immediately. The building will cover the southernmost half of the tract, with a two-story front building and one-story back extending to a railroad; the northern half of the plant will be built as increase of business demands. The new unit will take the place of the present Chicago factory branch at 35th street and Shields avenue, which has been occupied for 15 years. The sales department in Chicago will remain at its present downtown location in the Marquette Building. The company manufactures the well-known Exide batteries.

New Process Galvanized Wire Fencing.

Development of a new process of galvanizing that trebles the life of woven wire fencing has been announced by the Page Steel and Wire Company, Bridgeport, Conn. It is called "Galvanizing After Weaving." By this new method there is applied a protecting coat of zinc which is said to be five times heavier than the coating on ordinary galvanized fencing. Formerly the fence wire was first galvanized and then woven, and the thickness of the zinc coating was definitely settled and the number of operations was greater. The new process permits the application of a super-heavy coat of zinc, and it is stated that in service tests wire having the new coating has withstood exposure in New England for more than seven years. Service costs to users are thus greatly reduced.

Oil Burning Furnace and Boiler Control.

A new line of oil-burning furnaces and boiler-control equipment is now being manufactured by the Marion Machine Foundry and Supply Company of Marion, Ind., and is distributed by W. R. Pender & Co., 1408 Dallas avenue, Houston, Tex., as well as by the manufacturers. This equipment was developed by W. R. Pender and installed in a great number of plants, and he has recently provided greater manufacturing and distributing facilities, giving better service to the trade. Copies of Catalogue No. 130, a fine publication describing and fully illustrating this equipment, can be obtained from either of the firms mentioned herein.

Validity of Patent Recognized.

President Lee M. Happ of the Macon Concrete Roller Company, Macon, Ga., says that an agreement has been reached between the Associated General Contractors of America and his company whereby the Association, composed of approximately three thousand contractors throughout the United States, recognizes the validity of the company's patent in its broad sense. "This," he further remarks, "establishes beyond any question of doubt the validity of the Macon concrete roller patent." President Happ also says that "this tool is the most feasible and economical way of finishing concrete pavements, and is contained in the specifications of practically every state in the Union."

Cement Gun Facilities Enlarged.

The Gunite Concrete and Construction Co. has been organized at Kansas City, Mo., and is successor to the cement gun department of the Pratt-Thompson Construction Co. of that city. This new company, it is stated, will be affiliated with the Pratt-Thompson organization,

having as its officers the same personnel as the former cement gun department, and it is incorporated in Missouri with \$60,000 capital, fully paid in. It is stated that the formation of this company is the result of rapidly increasing business, and with increased facilities it is in a position to contract for work in any part of the country. This is a change in name only; the organization is larger and in the same location.

Westinghouse Electric Increases.

The net income available for dividends of the Westinghouse Electric & Mfg. Co. for the year ending March 31, 1924, was \$16,125,303 as shown by the Company's annual report which has just been made public. This represents earnings of \$8.98 per share, or practically 18 per cent on the amount of stock outstanding during the year. Gross earnings amounted to \$154,412,918, which exceed those of any previous year in the history of the Company, except the year ending March 31, 1919. Value of unfilled orders at the close of the fiscal year was \$63,738,702, which compares with last year's figures of \$61,914,237.

Fine Farms and the Use of Lime.

The American Limestone Co., Knoxville, Tenn., says that a number of county agents in the Carolinas are perfecting plans to take their farmers in the eastern part of Tennessee during the summer. They are to travel in automobiles to see the fine farms, livestock and poultry in that section, its diversified agriculture, etc. At Knoxville a stop will be made at the experimental farms of the University of Tennessee. This company which manufactures the well known "Mascot" pulverized limestone is distributing information as to the value of liming part

of every farm each year, not only because of good results but because it disposes farmers to adopt a rotation of crops.

Book Review.

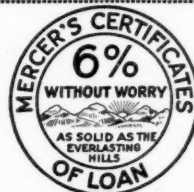
Portland Cement Prices; Their Basis, Character and Present Position. By Henry Parker Willis and John R. B. Byers. New York: The Ronald Press Company. 1924. Pp. 123. Cloth. \$1.25.

This book treats of the Portland cement industry, its history, its nature and its organization. It shows the economic ground for uniformity of cement prices, a standardized product sold on a competitive basis to buying specialists. The question of fairness and reasonableness of cement price levels and the earnings of leading cement companies are also considered. Comparative price tables for Portland cement and other building materials are given. The Atlas Portland Cement Company, New York, says that the book carries unbiased statements and facts relative to the cement industry and prices, which were assembled by the authors so as to put before the public the true conditions existing in the industry, and Thomas Sewall Adams, professor of economics at Yale University, in reviewing the work, says that "the instinct which prompted the producers to ask two economists to study cement prices and publish their findings is sound; they naturally resent current charges of combination and monopoly. * * * Comparatively speaking, cement prices show a tendency towards uniformity and stability.' * * * No fair verdict on cement prices can be reached without careful consideration of the facts brought together in this book."

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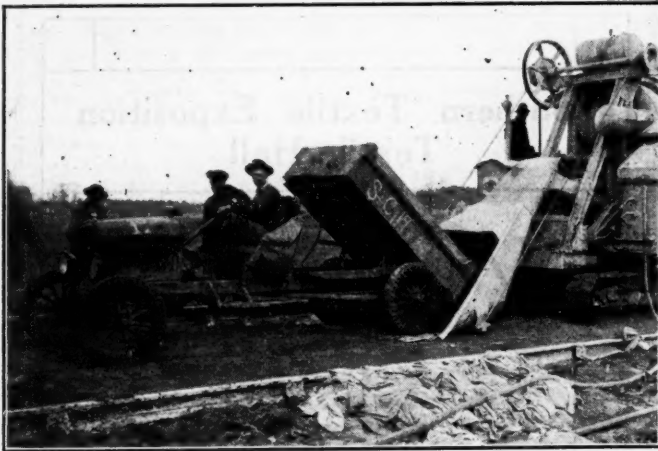
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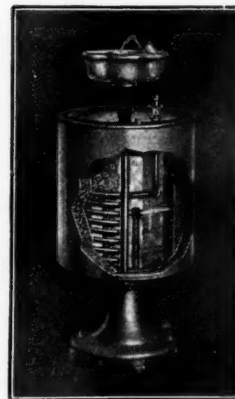
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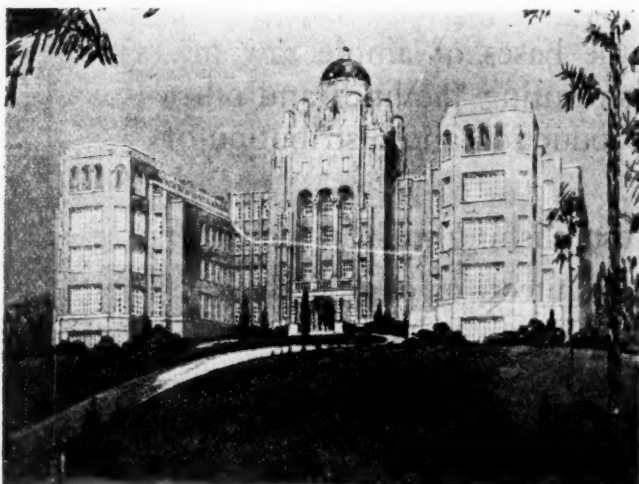
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A Negro Association to Erect \$400,000 Hospital at Hot Springs.

Plans are being prepared by John P. Almand, Little Rock, for a \$400,000 hospital and sanitarium to be erected at Hot Springs, Ark., for the Mosaic Templars of America, a negro fraternal organization, of which S. J. Elliott is national grand master, with offices in Little Rock.

The building will be erected on the old Park Hotel site and



HOSPITAL TO BE ERECTED AT HOT SPRINGS.

will be six stories and basement, of fireproof construction. The dining room will be located on the fifth floor, opening into which will be a spacious roof garden, while the kitchen will be on the top floor. Completely equipped bathhouses will be provided and the hospital will contain hotel accommodations for those who desire to take the baths only. Construction will begin as soon as plans can be finished and bids taken.

Big Subdivision at Richmond.

Richmond, Va.—For the purpose of developing 25 acres of the Patterson tract, facing on Grove avenue or adjacent to it, the Grove Avenue Crest Development Corporation has been chartered here with A. L. McClellan as president. The company plans to install sewer, gas, water and electric facilities and will restrict the development to 50-foot lots.

It is stated that as soon as sewers are available the construction of residences will begin, ranging in price from \$10,000 to \$12,000 each.

To Erect \$250,000 Phone Building.

Huntington, W. Va., May 30—[Special.]—A building permit has been issued to the Chesapeake & Potomac Telephone Co. calling for the erection of its proposed \$250,000 structure here. With all equipment installed, the plant will represent an expenditure of about \$1,400,000. The new plant will have a capacity of twice the number of telephone lines as the one now in use and will enable the company to take care of the growth of Huntington's growth for years to come.

Alabama Will Improve 29 Miles.

Montgomery, Ala.—Sealed bids will be received by the State Highway Commission at its office in this city, until July 10, for the improvement of 29.121 miles of road in Montgomery, Autauga and Elmore counties, constituting a part of the highway between Montgomery and Clanton. Plans and specifications are on file at the office of the state highway department and information may be obtained from W. S. Keller, state highway engineer, Montgomery.

Dividing Plantations Into Profitable Small Farms.

Ambrose, Ga., June 17—[Special.]—That the larger banking and real estate companies of the South can perform a real service to their section through the division of the larger plantations into small farms, the establishment of demonstration farms and the introduction of experienced farmers to a community has just been demonstrated by the Atlanta Trust Company, an Atlanta corporation with more than \$10,000,000 invested in Georgia farm lands and other real estate. Not long ago this company took over a large plantation near here, the original owner having been unable to cope with the boll weevil, scarcity of labor and the high cost of fertilizer and supplies.

Once in possession the trust company divided the big plantation into a number of small farms and then went over into North Carolina and leased them to 35 experienced tobacco farmers. The company secured a competent agricultural expert to act as supervisor for the farms and to give directions where they might be needed, built the necessary houses and farm buildings, and furnished the supplies, sharing with the tenants on a 50-50 basis. Today, those farms are demonstration farms for the entire section. On this erstwhile plantation there are today 327 acres of tobacco, 250 acres of corn, 140 acres in Spanish peanuts, 100 acres in watermelons, 36 acres in sweet potatoes, 30 acres in oats and only 35 acres in cotton. As soon as the tobacco is harvested there will be planted 125 acres of pea-vine hay.

By dividing up this large plantation into small farms, the Atlanta Trust Company has put the land back into cultivation. It has opened the way for the small farmer to rent or acquire a farm. It has helped good farmers from other sections to get established. It has encouraged diversified farming. Incidentally, it has made property pay that had not paid in years, and sold other property at a profit that under other conditions could not have been disposed of at all.

"Real estate and trust companies," said Eugene Black, president of the Atlanta Trust Company, "must do more than just sell land if they are to be really successful. They must lead the way in better farming methods and operations. They must induce farmers from other sections to enter the state. They must divide up the larger and unprofitable plantations into smaller and more profitable farms. They must help the tenant to get on his feet as a landowner. If they will recognize this responsibility to their section, that section will prosper and they will prosper with it. If they will not, they cannot expect to reap the benefits that come from diversified and livestock farming, from a stable agriculture and high-priced land."

Plan \$2,500,000 Ten-Story Building at Louisville.

Louisville, Ky.—It is announced here that J. Graham Brown, owner of the Brown Hotel, plans to expend \$2,500,000 for the erection and equipment of a ten-story building adjoining the Brown Hotel at 4th street and Broadway. The structure will contain a theater, club rooms and seven floors of offices, the first floor to be given over to stores and an extension of the Brown Hotel coffee shop, with the theater in the rear.

Preston J. Bradshaw of St. Louis is the architect, and working drawings will be prepared at once in order to have the building completed by January 1 of next year.

The State Highway Department, Montgomery, Ala., has awarded contract to W. H. Pattie, Birmingham at \$118,105 to grade, drain and surface with gravel 9.4 miles of road in Hale county, and at \$10,313 for .7 mile in the town of Greensboro.

Contract for Dam and Power House.

Columbia, Tenn.—Contract has been awarded by the Southern Cities Power Co. of Chattanooga to the Foster & Creighton Co. of that city for the construction of a dam across Duck River near Columbia and the erection of a power house. Cost of the work is estimated at \$100,000. Work will begin when water conditions will permit and is expected to be completed by December. Freeland, Roberts & Co. of Nashville, Tenn., are the engineers.

\$150,000 Addition to Ford Plant.

Oklahoma City, Okla.—Ground has been broken here for a \$150,000 addition to the plant of the Ford Motor Co. of Detroit, the new building to adjoin the present structure and to be of similar architecture. It will be 132 by 120 feet, two stories, of reinforced concrete with brick panels and ornamental tile and granite trim. Plans provide for the erection of two additional stories later.

This addition will bring the total floor space of the plant to 350,000 square feet and will increase its capacity from 200 to 300 cars per day. Standard equipment will be installed throughout the plant and 300 additional workmen will be employed. It is stated that sedan and coupe bodies, heretofore shipped from Detroit, will be built here.

Albert Kahn of Detroit is the architect and is represented here by Fred C. Kaiser. The C. M. Dunning Construction Co. of Oklahoma City is the general contractor.

Building Activity in Mexico Making a Demand for American Lumber.

San Luis Potosi, Mexico, June 10.—[Special.]—J. M. Caballero, senior member and general manager of the firm of Caballero & Co., one of the largest lumber dealers in Mexico, has gone to the United States for the purpose of placing orders for large quantities of lumber. His firm maintains principal offices and yards in San Luis Potosi, but it has branch yards in many cities of the country. Mr. Caballero stated on the eve of his departure that there is an unusual amount of building activity in the larger cities of Mexico at this time and that the demand for lumber has depleted most of the yards and created the necessity for the placing of large orders for materials.

While certain kinds of lumber may be obtained from the domestic mills, this source of supply is limited and most of the kinds used by the railroads and for general building purposes must be obtained from the United States. Caballero & Co. have contracts for furnishing the National Railways of Mexico with much of its building materials. Mr. Caballero said that the principal lines of this railroad system are in fine shape, having about recovered from the damages inflicted during the late revolution. He was formerly general superintendent of the National Railways, having worked himself up to that position from telegraph operator. He quit the railroad business five years ago and entered that of retail lumber dealer here.



BOND ISSUES

BUILDINGS

PAVING

GOOD ROADS



PROPOSALS

Bids close June 26, 1924.

U. S. Engineer Office, Baltimore, Md. Sealed proposals will be received here until 1 P. M., Eastern Standard Time, June 26, 1924, and then opened, for dredging in Baltimore Harbor and Channels, Md. Further information on application.

Bids close August 5, 1924.

U. S. ENGINEER OFFICE, Florence, Ala. Sealed proposals will be received here until 11 A. M. August 5, 1924, and then opened, for furnishing and erecting a bascule bridge across the navigation lock of Wilson Dam. Further information on application.

Bids close June 20, 1924.

DEPARTMENT OF THE INTERIOR, Washington, June 4, 1924. Sealed proposals will be received in this Department until 2 o'clock P. M. Friday, June 20, 1924, for furnishing 9000 sets, more or less, of rollers and hangers for use in mounting the General Land Office map of the United States for 1924. Form of proposal, including specifications for the work, will be supplied on application. All proposals must be securely enveloped, marked "Proposals for map rollers and hangers," and be addressed to the Secretary of the Interior, Washington, D. C. The right is reserved to reject any and all bids, or to accept or reject any part thereof in the discretion of the Department. F. M. Goodwin, Assistant Secretary.

Bids close July 10, 1924.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., June 12, 1924.—Sealed proposals will be opened in this office at 3 P. M. July 10, 1924, for the construction of a one-story stucco face, non-fireproof extension about 82x45 feet in size at the U. S. Postoffice and Courthouse, Charleston, W. Va. Drawings and specifications may be obtained from the Custodian of the building or at this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

RATE: 35 cents per line per insertion.

PUBLICATION DAY: Thursday.

FORMS CLOSE 4 P. M., Monday.

DAY LETTER: When too late to send copy by mail to reach us by 4 P. M. Monday, forward by day letter.

THE DAILY BULLETIN OF THE

MANUFACTURERS RECORD:

Published every business day; gives information about the industrial, commercial and financial activities of the South and Southwest.

The Daily Bulletin can be used to advantage when copy cannot reach us in time for publication in the Manufacturers Record before bids are to be opened, or when daily publications are necessary to meet legal requirements.

The same rate applies—35 cents per line per insertion.

Bids close June 23, 1924.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C. June 6, 1924.—Sealed proposals will be opened in this office at 3 P. M. June 23, 1924, for repairs to the mechanical equipment in the U. S. Treasury, Treasury Annex No. 1, Auditor's and Liberty Loan Buildings, Washington, D. C. Specifications may be obtained from this office in the discretion of the Supervising Architect, Jas. A. Wetmore, Acting Supervising Architect.

Bids close July 9, 1924.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., June 11, 1924.—Sealed proposals will be opened in this office at 3 P. M. July 9, 1924, for an ice-making and refrigerating plant at the U. S. Marine Hospital, Savannah, Ga. Specifications may be obtained at this office in the discretion of the Supervising Architect. Proposals will be considered only from individuals, firms or corporations possessing satisfactory financial and technical ability, equipment and organization to insure speedy completion of the contract, and who have established a record for expedition on contracts of similar character and

magnitude. The fact that any concern obtaining a set of the plans and specifications from any source whatever and submits a bid shall not constitute a waiver of the foregoing stipulations. Jas. A. Wetmore, Acting Supervising Architect.

Bids close June 24, 1924.

\$30,000 6% School Bonds

Cherryville, N. C. Sealed bids will be received by the Board of Trustees of Cherryville School District, Gaston County, N. C., at the First National Bank in said district until June 24, 1924, at 11 o'clock A. M., when they will be publicly opened for the purchase of \$30,000 School Bonds of Cherryville School District. The said bonds are coupon bonds in denomination of \$1000 each, dated June 1, 1924, and payable on the first of June \$1000 in each of the years 1927 to 1936, inclusive, and \$2000 in each of the years 1937 to 1946, inclusive, bearing interest at the rate of 6 per cent per annum, payable semi-annually, both principal and interest being payable at the Mechanics and Metals National Bank, New York, N. Y.

Each bid must be enclosed in a sealed envelope and marked on the outside "Bids for Bonds" and addressed to M. A. Stroup, Secretary Board of Trustees Cherryville School District, Cherryville, N. C., and each bidder must deposit with his bid a certified check upon an incorporated bank or trust company, payable to the order of the Board of Trustees of Cherryville School District, or a sum of money equal to 2 per centum of the face amount of the bonds bid for to secure the district against any loss resulting from a failure of the bidder to comply with the terms of his bid. Bonds cannot be sold for less than par and accrued interest. The successful bidder will be furnished with the approving opinion of Messrs. Storey, Thorndike, Palmer & Dodge, attorneys, of Boston, Mass. The Board of Trustees reserve the right to reject any and all bids.

By order of the Board of Trustees of Cherryville School District, dated June 6, 1924.

M. A. STROUP, Secretary.

Bids close July 14, 1924.

\$23,000 6% Gold Bonds

Fort Meade, Fla.
Sealed bids will be received by the Bond Trustees of Fort Meade, Florida, until 7.30 o'clock P. M. July 14, 1924, for Street Paving Bonds.

Said bonds are dated June 2, 1924, and are of the denomination of \$1000 each and are due and payable June 1, 1954.

The principal and semi-annual interest at six per centum, payable June 1 and December 1, at American Exchange National Bank, New York City.

Approving opinion of John C. Thomson, Esq., of New York City, will be furnished the successful bidder.

The said Bond Trustees shall have the right to reject any and all bids. All bids must be accompanied by certified check of \$500 as evidence of good faith.

Address all bids to the Board of Bond Trustees, care of Vernon Clyatt, Secretary Fort Meade, Florida.

VERNON CLYATT, Secretary.
PATTERSON & WILSON, City Attorneys.
Fort Meade, Florida.

Bids close June 27, 1924.

\$75,000 6% Bonds

Madison, Fla.
Sealed proposals will be received by E. J. Harris, Mayor of the Town of Madison, Florida, at the Mayor's office, in said Town, until 2 o'clock p. m. on the 27th day of June, 1924, for the following issues of bonds of said Town:

\$60,000. Street paving bonds. Town's share, dated January 1, 1924, maturing \$20,000 January 1, 1944, \$20,000 January 1, 1949, and \$20,000 January 1, 1954.

\$15,000. Waterworks bonds, dated January 1, 1924, maturing \$5000 January 1, 1944; \$5000 January 1, 1949, and \$5000 January 1, 1954.

All of said bonds are in coupon form, in denomination of \$1000, and bear interest at six per centum per annum, payable semi-annually January 1 and July 1, both principal and interest payable at the office of the Town Treasurer. Both issues are payable from unlimited taxes on all taxable property in the Town.

The approving opinion of Messrs Caldwell and Raymond, Attorneys, New York City, as to legality will be furnished to the purchasers without charge.

Each bid must be accompanied by a bond with approved surety payable to the Town of Madison that the bidder will comply with the terms of his bid in the amount of 2 per cent of the par value of the bonds bid for, or in lieu thereof a certified check on a national bank or a state bank incorporated in Florida for such amount.

The right is reserved to reject all bids, and any bid not complying with the provisions hereof or offering less than ninety-eight cents on the dollar and accrued interest will be rejected.

E. J. HARRIS, Mayor.

Bids close July 2, 1924.

Creosoted Timber Bridges

Baton Rouge, La.
Sealed proposals will be received at the office of the Louisiana Highway Commission, Raymond Building, Baton Rouge, La., up to 12 o'clock noon, Wednesday, July 2, 1924, at which time and place they will be publicly opened, for the construction of—Bridges on Hammond-New Orleans Highway, Tangipahoa and St. John the Baptist Parishes, La. Federal Aid Proj. 127-D.

The project consists of the construction of 53 creosoted pile trestle bridges of various lengths ranging from 13 ft. long to 912 ft. long with a total length of 5620 ft. The approximate quantities involved in the construction are as follows:

628,000 ft. B. M. creosoted pine lumber.
617,000 ft. B. M. untreated pine lumber.
74,000 lin. ft. creosoted piling.

Alternate construction bids will be received on basis of successful bidder to furnish all material and do all work or to furnish hardware only and do all work, other material to be furnished by Commission in cars at nearest railroad siding, or to furnish hardware only and do all work, other material to be furnished by Commission at bridge sites.

Alternate material bids will be received on basis of successful bidder to furnish the above described material F. O. B. cars at nearest railroad sidings or at bridge sites or to furnish Red Cypress piling in lieu of creosoted pine piling.

Information as to location, character of work, extent and class of material, terms of payment, regulations governing manner of submitting proposals and executing contract may, on application, be obtained at the office of the Louisiana Highway Commission, Raymond Building, Baton Rouge, La. Plans and specifications may be inspected at the office of the Commission in Baton Rouge, La., or will be furnished upon receipt of \$5.00, as payment therefor not to be refunded.

J. M. FOURMY.

State Highway Engineer.
W. T. PETERMAN, Chairman,
Louisiana Highway Commission.

Bids close July 7, 1924.

Steel Draw-Bridge, Piers, Etc.

Key West, Fla.

Proposals will be received by the undersigned until 8 P. M. July 7, 1924, for the furnishing of the necessary material complete and the construction thereof for a steel drawbridge, piers, abutments, operating machinery, fender system and all appurtenances thereto at the northerly end of Key Largo, Florida, over what is known as Barnes Sound, and between Key Largo and the mainland of Florida.

Plans and specifications may be procured or seen at the office of the Clerk of the Circuit Court of Monroe County, Key West, Florida, together with all general information.

All proposals will be publicly opened with the usual rights reserved.

BOARD OF COUNTY COMMISSIONERS
OF MONROE COUNTY, FLA.
J. OTTO KIRCHHEIMER,
Chairman.

Bids close July 7, 1924.

Highway Construction

Key West, Fla.

Proposals will be received by the undersigned until 8 P. M. July 7, 1924, for the construction of a highway sixteen feet in width, consisting of stone surface, oiled, with a suitable material for subgrade, from a point of intersection of the present County Road on Key Largo, Florida, and the north quarter section line of the northwest quarter of Section 35, T 59, R 40 E of the meridian of Tallahassee, four and forty-eight hundredths miles in length, with the necessary trestles, to a point midway the water opening between Barnes Point and a point near Little Card Sound on the mainland of Florida, and also

From the eastern end of Stock Island to what is known as Traverse Station No. 68 on Saddle Bunches, together with the necessary trestles embraced within these terminals.

Plans and specifications may be procured or seen at the office of the Clerk of the Circuit Court of Monroe County, Key West, Florida, together with general information.

Proposals will be publicly opened with the usual rights reserved.

BOARD OF COUNTY COMMISSIONERS
OF MONROE COUNTY, FLA.
J. OTTO KIRCHHEIMER,
Chairman.

Bids close June 24, 1924.

Road Construction

Bastrop, La.

Sealed Proposals will be received by the Police Jury of Morehouse Parish up to 2 P. M. June 24, 1924, for constructing Parish Road Projects No. 13, six (6) miles in length, and No. 17, nine (9) miles. Proposal forms, plans and specifications are on file in the office of Parish Engineer, Bastrop, La.

W. T. SMITH,
Pres. Police Jury.

J. L. WHITE,
Parish Engineer.

Bids close June 23, 1924.

Road Improvements

Tavares, Fla.

Sealed bids will be received by the Board of County Commissioners of Lake County in the Courthouse at Tavares at 10 o'clock A. M. June 23, 1924, and at that time publicly opened for the

Clearing and Grubbing, Grading, Draining and Surfacing with Asphalt or Brick certain roads in the Leesburg Road and Bridge District.

Approximately 8 miles in length. Specifications may be obtained from County Engineer for the sum of \$5.00.

Certified check or bidder's bond for 5% of amount bid to accompany each proposal. Right is reserved to reject any or all bids.

C. R. HORNE, County Engineer.
T. C. SMYTH, County Clerk.

Bids close June 26, 1924.

Street Improvements

Salisbury, N. C.

Sealed proposals for the construction of street improvements in the City of Salisbury, N. C., will be received by the Mayor and Board of Aldermen until 8 P. M. on the 26th day of June, 1924.

The work will consist of approximately 30,500 square yards of Sheet Asphalt, Bitulithic, Asphaltic Concrete on Concrete Foundation and 13,000 square yards of Concrete Paving, together with the necessary curbing, drains, excavations, etc.

Blank forms of proposals and specifications may be obtained from the Engineer.

Certified check for five (5) per cent of the bid is to accompany the proposal.

The right is reserved to reject any and all bids.

C. M. HENDERLITE, Mayor.

C. G. WELLS, Clerk.

E. W. COLE, Engineer,
Salisbury, N. C.

Bids close June 30, 1924.

Street Paving

Madison, Fla.

Sealed proposals on blank forms furnished by the town and addressed to the "Mayor and Council, Madison, Florida," will be received until 2 o'clock P. M. June 30, 1924, at Madison, Florida, for furnishing all material, labor and equipment, and doing the following work:

Approximately 65,000 square yards of street paving, with all necessary drainage, curb and gutter and curbs as specified.

Each bid must be accompanied by a certified check or satisfactory bidder's bond, made payable to the Mayor, for not less than five thousand dollars.

Plans and specifications can be seen at the office of the Town Clerk and the offices of the Engineers, and specifications can be obtained from the Engineers upon the payment of two dollars.

Full set of plans will be furnished by the Engineers upon the payment of ten dollars to cover the cost of printing, etc.

The right is reserved to reject any or all bids.

E. J. HARRIS, Mayor.

S. P. GRIFFIN, Clerk.

H. S. JAUDON ENGINEERING CO.,
Engineers, Elberton, Georgia.

Bids close July 9, 1924.

Paving, Storm Drains, Water Mains, etc.

Seabreeze, Fla.

Sealed proposals will be received by the Town Council of the Town of Seabreeze, Florida, until 7.30 o'clock P. M. on the ninth of July, 1924, at the Town Hall for the furnishing of materials and construction of 63,100 square yards of brick, concrete or bituminous pavements with the necessary curb, gutter and appurtenances; approximately 18,000 lin. feet of storm drains, 24 inch to ten inch, with accessories; approximately 4000 lin. ft. 6-inch water mains, with specials and accessories; one 282,000-gallon steel water tank and foundations, all complete and in accordance with plans and specifications at the office of the Engineer and the Town Clerk.

Bids will be received on the whole or any section of the work.

Plans and specifications may be examined at the office of the Clerk at the Town Hall, Seabreeze, Florida, or at the office of the Engineer in the Lutz Building, New Smyrna, Florida, or for the sum of twenty-five dollars copies of the plans may be obtained by applying at the same places.

Each bidder must accompany bid with a certified check or bidder's bond for an amount not less than five (5) per cent of the amount bid, drawn to the order of the Town of Seabreeze, Florida.

The right is reserved to reject any and all bids in whole or in part.

P. D. GOLD, Mayor.

HARRY GILMORE, Clerk.

N. A. HOTARD, Engineer.

Bids close June 26, 1924.

Water Works Improvements

Durham, N. C.

Sealed proposals will be received by the Mayor and Council of the City of Durham, N. C. up to twelve o'clock noon on Thursday, the 26th day of June, 1924, for Water Works Improvements.

The work will embrace the construction of a Dam and Impounding Reservoir on Flat River with masonry spillway 80 feet in height, creating a lake covering approximately 550 acres; combined pumping and power station; 22,000 volt transmission line approximately 11 miles in length; furnishing and laying one mile of 30-inch class "D" cast iron pipe; furnishing and installing cast iron flanged piping and valves within the power house, and the installation of sub-station equipment previously purchased.

The construction of the Dam and Power House, using a dam of gravity section, will require approximately the following quantities:

65,000 cu. yds. of concrete.
30,000 cu. yds. of rock excavation.
12,000 cu. yds. of earth excavation.
42,000 cu. yds. of earth embankment.
Reinforced concrete Pumping and Power Station.
96 tons of steel for reinforcement.
One 15-ton travelling crane.
Necessary flanged pipe, valves, fittings, etc.

Clearing 600 acres of land.
Clearing and grading three miles of roadway.

Alternate bids will be received on the construction of a hollow concrete spillway of the Ambursen type.

Separate bids will be received on the several items.

Plans and specifications are on file with the City Clerk and blank forms of proposals, specifications, etc., may be obtained from the Engineer without charge.

Those desiring a full set of plans can obtain same from the Engineer upon payment of \$15.00, which will be returned to all parties making bona fide bids and returning the plans.

Certified check for three per cent (3%) of the amount bid for such items for which a proposal is made must accompany all proposals.

Bids will be opened in the presence of those interested, but the Council reserves the right to reject any or all bids.

By order of the Mayor and Council.

R. W. RIGSBY,
City Manager,

WM. M. PIATT,
Engineer,
Durham, N. C.

Bids close July 14, 1924.

Paving and Sewers

Gainesville, Fla.

Sealed proposals will be received by the City Council of the City of Gainesville, Florida, until 8.00 P. M. July 14th, 1924, for furnishing material, equipment and labor for the construction of approximately 20,000 Sq. Yards of Paving.
10,700 Lin. Ft. of Concrete Curb.
10,700 Lin. Ft. of Concrete Curb and Gutter.

20,000 Lin. Ft. of Storm Sewer—12 to 18 inches.

Bids will be received on Sheet Asphalt, Asphaltic Concrete, Vitrified Brick and similar paving for surface.

Certified Check or Bidder's Bond through a Gainesville Agency for \$3000 to accompany each bid.

Plans and specifications may be seen at the office of the City Manager, and specifications may be obtained from the above office upon payment of \$3.00 to cover the cost of reproduction.

The right is reserved to reject any and all bids.

G. H. CAIRNS,
City Manager.

E. V. CAMP & ASSOCIATES,
Consulting, Supervising
and Testing Engineers,
Atlanta, Ga.—Jacksonville, Fla.

Bids close June 30, 1924.

Sewer Construction

WASHINGTON SUBURBAN SANITARY DISTRICT

Washington, D. C.

Sealed proposals for Contract 37-8 will be received at the office of the Washington Suburban Sanitary Commission, Evans Building, New York Avenue, Washington, D. C., until 3 P. M., Eastern Standard Time, Monday, June 30, 1924, for constructing 16,500 feet of 6" to 18" sewers and appurtenances.

Plans obtainable from Robert B. Morse, Chief Engineer of District, Hyattsville, Md., on returnable deposit of \$5.

T. HOWARD DUCKETT,
EMORY H. BOGLEY,
J. BOND SMITH,
Commissioners.

Bids close July 2, 1924.

Court House

Irwinton, Ga.

A contract will be let by the County Commissioners of Wilkinson County at Irwinton, Ga., on the 2nd day of July, 1924, to the lowest bidder to build a new court house for Wilkinson County. Plans and specifications can be obtained at the Clerk's office of the Board of County Commissioners at Irwinton, Ga.

Bids close June 28, 1924.

Office Building

Tarrant City, Ala.

Bids will be received at the office of the National Cast Iron Pipe Company, Tarrant City, Alabama, up to noon Saturday, June 28, 1924, for the erection of a 45 foot by 70 foot two-story-and-basement semi-fireproof office building at Tarrant City, Alabama.

Plans and specifications may now be obtained upon deposit of \$10 at the office of Wm. Leslie Welton, Architect, 1905 American Trust Building, Birmingham, Alabama. The right is reserved to reject any or all bids.

NATIONAL CAST IRON PIPE CO.

Bids close July 2, 1924.

Library and Administration Building

Tuscaloosa, Ala.

Proposals will be received by George H. Denny, President University of Alabama, for the construction of a reinforced concrete, brick and stone Library and Administration Building.

Proposals for general construction must be accompanied by a certified check or a bidder's bond to the amount of \$500.

Proposals for plumbing and heating must be accompanied by a certified check or bidder's bond to the amount of \$200; for electrical work, \$100.

The University reserves the right to reject any or all proposals.

Plans and specifications and form of proposal may be obtained from Shaler C. Houser, Treasurer, University of Alabama.

Bids close July 15, 1924.

Construction of Dam

Bedford, Va.

Proposals for constructing a dam on Beaver Dam Creek, Bedford County, Virginia, will be received up to and including July 15, 1924.

Construction involves dam impounding 425 million gallons of water and handling of some 50,000 cubic yards of materials.

Plans and specifications will be open to inspection of prospective bidders on and after July 16, 1924, at the office of Roanoke Water Works Company, 20 Salem Avenue, S. E., Roanoke, Virginia.

CLASSIFIED OPPORTUNITIES

MINERAL AND TIMBER LANDS WATER POWER, MISCELLANEOUS PROPERTIES

NORTHWEST GEORGIA.

The scene of the next great industrial development in Georgia. Electric power available. Large power plants under construction.

For industrial sites; pine and hardwood timber; brick shales; clays; large or small water powers; farms in a prosperous section. Write, with detail, as to your requirements.

C. E. VANCE, Calhoun, Georgia.

PUMICE. A large deposit of high grade pumice close to main line railway. If interested in purchase of this commodity or development of the deposit address

POST OFFICE BOX 881,
Albuquerque, New Mexico.

GRANITE QUARRY

FOR SALE—Large undeveloped granite quarry near Little Rock on railroad switch, consisting of 280 acres, almost solid granite, can be had very cheap. POLK-BOURNE REAL ESTATE COMPANY, 320 Boyle Building, Little Rock, Arkansas.

PHOSPHATE MINE

FOR SALE OR EXCHANGE—Phosphate Mine estimated Half Million tons 75% rock. Complete plant. Will price as whole or royalty. Figures Realty Co., Columbia Tenn.

RATES AND CONDITIONS

Rate 30 cents per line per insertion. Minimum space accepted, four lines. In estimating the cost, allow seven words of ordinary length to a line. *When the advertisement contains a number of long words, proper allowance should be made.* Terms: Invariably cash with order; check, postoffice or express order or stamps accepted. No display type used. Questionable or undesirable advertisements will not be accepted. The assistance of our readers in excluding undesirable advertisements is requested. We reserve the right to refuse any advertisement. No patent medicine, oil or mining stock advertisement accepted. Rate for special contracts covering space used as desired within one year as follows: 100 lines, 28c per line; 300 lines, 26c. per line; 500 lines or more, 25c. per line.

FARM, FRUIT, AND TRUCK LANDS

ALABAMA

WRITE US TODAY about small chicken and truck farms near Muscle Shoals, Ala. We have a big tract; are cutting same up in small farms. Will sell improved or unimproved. Easy terms Rosemary Pine Lumber Co., 116 N. Front St., Memphis, Tenn.

FARM, FRUIT, AND TRUCK LANDS

FLORIDA

FOR SALE—50 A bearing Orange Grove. Estimated crop for coming season 15,000 boxes. Located 3 miles from Leesburg on Lake Harris. No better location in Florida. If interested write for full information and price. B. F. Watts, Leesburg, Fla.

FLORIDA—Playground of the Rich; Paradise of the poor. The fastest developing State in the Union, and Roger Babson, the great business statistician, says that TAMPA is destined to be the greatest city in the Southeast. Come and be one of us. We have a Home, Grove or Farm for you. Send today for booklet, "Largest Orange Tree in the World," and list. Tampa-West Coast Realty Co. (Inc.), Opp. Postoffice, "Since before the war," Tampa, Fla.

FOR SALE

Six thousand acres of land, good for fruit and farming, also fine satsuma orange land, high, well-drained, over two hundred feet above sea level; fine lakes and good fishing and hunting; will take \$12.50 per acre; other land in same vicinity has been selling as high as \$200 per acre; this is a good purchase. Will net any purchaser 8 per cent annually on his investment. Apply to G. M. Thomas, Marianna, Fla.

FARM, FRUIT, AND TRUCK LANDS

FLORIDA

WE OWN 12,000 ACRES of Everglades Muck land. Soil over 10 feet deep. Adjoining lands now under cultivation. Sixteen miles of rock surfaced roads and navigable canals already constructed. This tract fronts on the Cross State Highway. For sale at an attractive price.

CONSOLIDATED REALTY COMPANY,
223 Clematis Ave. West Palm Beach, Fla.

NORTH CAROLINA

FOR SALE—1800 Acres adapted to growing peaches, dewberries and general farming. Located near Pinehurst, N. C. 1½ million ft. timber. Price cheap, terms easy. Write J. E. Simmons, Box 177, Charlotte, N. C.

BUSINESS OPPORTUNITIES

SUBSTANTIAL MANUFACTURING COMPANY wants capable man to open office and manage salesmen; \$500 to \$1500 necessary. Possibilities unlimited. Atlantic Coast Mfg. Co., McKevitt Bldg., Norfolk, Va.

I SPECIALIZE in industrial, warehouse and business sites at and adjacent to Washington, D. C.

M. B. HARLOW,
Harlow Building, Alexandria, Va. Colorado Building, Washington, D. C.

FOR SALE—FISHING RIGHT. The best in the State. Lake covers two thousand acres of land. Will sell exclusive right and I will look after same. Fine hunting also. Will give deed; good title. A great place for sport.

G. M. Thomas, Marianna, Fla.

I SPECIALIZE in industrial, warehouse and business sites at or near Tampa, Florida, the seventh largest port in the United States. Jasper Walker, P. O. Box 674, Tampa, Florida.

FILTER SAND USERS—We are offering for filter purposes 98½% silica sand, effective size .45 millimeters, uniformity coefficient 1.6. Sample sent on request.

EVANS SAND CO., ELLIOTT, S. C.

FOR SALE—Nice home, 600-acre farm and hydro-electric plant with a twenty-year contract with the City of Marianna for light and power. Plant pays ten thousand dollars a year; also good fishing and hunting as there is in the State; fine sport. An ideal place for anybody to live. Six miles South of City of Marianna. Want to sell quick. Wire or write or come to

G. M. Thomas, Marianna, Fla.

PLANING MILL AND CONCENTRATION YARD—Doing wholesale and retail business in town of 20,000 in Alabama. Good territory to draw from with rates that will average saving \$1.00 per thousand. Will sell as whole or in part. Information, write

MARBURY MILL & LUMBER CO.,
Birmingham, Alabama.

FOR SALE—Modern Machine Shop and Pressed Metal Plant, fully equipped and doing nice business. All tools in good condition. Suitable for manufacturing or job work. Reasonable rent. Address M. J. Cohen, 326 South Fifth street, Richmond, Va.

WANTED—PRODUCT TO MANUFACTURE during the Winter and Spring months when canning factory is idle. Situated on Virginian and N. & W. Railroads. Equipment includes 40 H. P. steam boiler, 5 H. P. upright engine, four 36x36 cooking tubs, crane and other fixtures. Plenty of electric power within 100 feet of factory. Pembroke Canning Co., Pembroke, Va.

FOR SALE—Fifty-four room modern hotel, completely furnished, in thriving city of 7500 population. Has two railroads and on Lee Highway, in one of the best farming and grazing sections of Southwest Va. In and around this thriving city are the rich coal fields and iron deposits of Southwest Va. This city has furnaces and manufacturing plants and is noted as a furniture manufacturing center. Hotel has three store rooms and can arrange to have five store rooms besides lobby, dining room and kitchen on first floor. Three stories high and of solid brick construction. This valuable property can be bought at a reasonable price and on good terms. Address E. R. Shipley Land Auction Co., Anything in Real Estate, Bristol, Va.

BUSINESS OPPORTUNITIES

CAPITAL WANTED—To develop town-site; on 640 acres that two railroads and state highways cross on in S. E. Okla., surrounded by coal, oil, gas and farming. J. E. Cavanagh, McAlester, Okla.

INDUSTRIES WANTED

THE NEW TOWN, SCHRIEVER, LOUISIANA, was denominated "The 100% Town" by a magazine writer the other day. That is proper, for every business in the place is making money; even the postmaster wears continually a prosperity smile. With a distinctive purpose to advertise the place, everyone is painting his building white. Already it is known as the White City. Schriever lacks 9 days of being 4 months old, but it is the firmly-established civic center of a prosperous, productive district, which is thickly settled with a citizenry bred to work and economy. One thousand automobiles pass over the fine highways through Schriever every day. The graphically told history of romantic Schriever mailed on request. Association of Industries, Schriever, Louisiana.

INMAN, S. C., wants industries, large and small. Good climate, good labor conditions, electric power, water. Will offer inducements to assist in location of good industries. Write Secretary Chamber of Commerce.

FREE FACTORY SITES and a remission of taxes for a period of years will probably be offered to the right kind of an industry coming to this city, a financial center, second ranking port of U. S. Enormous quantities of raw materials pass through here, splendid climate, summer and winter resort, plenty of labor, low freight rates to the interior and Atlantic Seaboard ports. This Chamber of Commerce will actively support the right kind of financial proposition bringing new industries here. Write Industrial Manager.

CHAMBER OF COMMERCE
Galveston, Texas.

SPECIAL INDUCEMENT offers small factories located in Van Wert, Ohio; plenty of labor, lowest tax rate, best transportation. Address Chamber of Commerce, Van Wert, Ohio.

INDUSTRIAL PLANTS

FOR SALE—The Mo-Jo Filter Mfg. Co.'s plant, buildings, large lot, machinery, stock on hand, patent. Address

MO-JO FILTER CO., Rockdale, Texas.

BRICK MANUFACTURING PLANT.
For sale or lease. Low price and easy terms.

U. H. DAVENPORT, Athens, Georgia.

If interested in buying
A SOUTHERN COTTON MILL
Write to

F. C. ABBOTT & COMPANY
Charlotte, N. C.

26 years' experience in Southern Mill Stocks.

MODERN CONCRETE AND BRICK one-story building; fifteen thousand feet floor space; one and half acres ground. On railroad near Potomac Yards. Graham & Ogden, Alexandria, Virginia.

FOR SALE—FRAME MILL BUILDING about 50x36 ft., 3 stories with basement, well built, together with a 2-story brick building about 60x45 ft. (former distillery) adjoining, with a 75 H. P. engine and boiler, and machinery for grinding corn, oats, etc.

Plant 4 miles from railroad, about 30 miles from Louisville, 7 miles from Jackson Highway. Suitable for manufacturing establishment, such as canning factory, feed plant, etc. Situated in one of the best farming districts in Kentucky. For further information address

H. McKENNA, Fairfield, Kentucky.

PATENT ATTORNEYS

PATENTS—TRADEMARKS—COPYRIGHTS
WRITE for our—free Guide Books and "RECORD OF INVENTION BLANK" before disclosing inventions. Send model or sketch and description of your invention for our free prompt opinion of its patentable nature. Highest references. Reasonable terms. VICTOR J. EVANS & CO., 712 Ninth St., Washington, D. C.

PATENT ATTORNEYS

PATENTS—Booklet free. Highest references. Best results. Promptness assured. Watson E. Coleman, Patent Lawyer, 644 G St. N. W., Washington, D. C.

INVENTORS—Send sketch or model of your invention, for opinion concerning patentable nature, and exact cost of applying for Patent. Book, "How to Obtain a Patent" sent free. Gives information on patent procedure and tells what every inventor should know. Established 25 years. Chand-lee & Chand-lee, 412 7th St. N. W., Washington, D. C.

AGENCIES WANTED

MANUFACTURERS AGENCY wishes to hear from Manufacturers desiring agent in this territory. E. J. O'Callaghan, P. O. Box 539, Charleston, S. C.

OLD, WELL-ESTABLISHED COMPANY in Charlotte, N. C., wants to represent manufacturers of mill supplies and general machinery. Address No. 6344, care of Manufacturers Record, Baltimore, Md.

SITUATIONS WANTED

TECHNICAL college graduate, 30, ten years' business and sales engineering experience, now employed, desires permanent local position with Virginia or North Carolina organization. Capable of accepting responsibility as assistant to executive. Willing to be trained for position with a future. No. 6339, care Manufacturers Record.

ENGINEER-SALESMAN, graduate engineer, experienced designer, estimator and executive desires position with a reliable manufacturer or business concern as salesman or office assistant where a knowledge of engineering would be helpful. References. Address No. 6345, care Manufacturers Record, Baltimore, Md.

MEN WANTED

SALARIED POSITIONS \$2500 to \$25,000 upward; executive, technical, administrative, engineering, manufacturing, professional, managing, financial, etc., all lines. If you are qualified and receptive to tentative offers for a new connection you are invited to communicate in strict confidence with the undersigned, who will conduct preliminary negotiations for such positions. A method is provided through which you may receive overtures in confidence, without jeopardizing present connections, and in a manner conforming strictly to professional ethics. Send name and address only; preliminary particulars will be sent without obligating or compromising you in any way. R. W. Bixby, Inc., 403 Lockwood Building, Buffalo, N. Y.

WANTED—Distributors and agents for heat-treating furnaces in the following cities and vicinity: Duluth, Boston, Cleveland, St. Paul and Minneapolis; liberal commission. Standard Fuel Engineering Co., 667 Post avenue, So. Detroit.

AN EASTERN LEATHER BELT manufacturer is desirous of securing an experienced Belt salesman for the South. Good salary or salary and bonus; excellent opportunity for right man. Address No. 6346, care Manufacturers Record, Baltimore, Md.

WANTED High Class Engineer capable of designing and taking off reinforcing steel quantities and making up, placing diagrams for same; also who can make up a complete quantity survey of all materials for fire-proof buildings. Must be experienced, accurate and must furnish reference. Permanent position to right party and will consider giving salary and share in profits. Must be single and not over 35 years old and American born. Address Box 91, Bluefield, W. Va.

LOCUST INSULATOR PINS

FOR SALE CHEAP—40,000 No. 2 Grade Locust Insulator Pins 1½x9 in. Average samples submitted on request. Buchanan Locust Pin Co., Inc., Buchanan, Virginia.

PREST-O-LITE has its own cylinder factory in Indianapolis. Every other working day last year, this factory poured a carload of new cylinders into the service of Prest-O-Lite users, thus demonstrating the important part Prest-O-Lite service plays in the expanding use of the oxy-acetylene process.

THE PREST-O-LITE COMPANY, INC.

General Offices: Carbide & Carbon Building
30 East 42d Street, New York

In Canada: Prest-O-Lite Co. of Canada, Limited
Toronto

District Sales Offices

ATLANTA	LOS ANGELES
BALTIMORE	MILWAUKEE
BOSTON	NEW ORLEANS
BUFFALO	NEW YORK
CHICAGO	PHILADELPHIA
CLEVELAND	PITTSBURGH
DALLAS	ST. LOUIS
DETROIT	SALT LAKE CITY
KANSAS CITY	SAN FRANCISCO
	SEATTLE

Prest-O-Lite batteries for your cars and Prest-O-Lite small tanks for your trucks are supplied by your local Prest-O-Lite Battery Service Station.



Prest-O-Lite **DISSOLVED ACETYLENE**

CENTRAL COAL AND COKE COMPANY

Announcement

THE Oregon plant of our subsidiary company, The Oregon-American Lumber Company, located at Vernonia, Oregon, with capacity of 600,000 feet per day, will be in production by July 1, 1924.

Our Timber—OLD GROWTH YELLOW FIR, is well known for its exceptional quality and fine texture.

Our manufacturing policy will be similar to that governing our Southern product—stocks consisting of full assortments of grades, sizes and lengths. All lumber 2" and under in thickness will be kiln dried and completely segregated as to length, width and thickness and dressed after seasoning, resulting in uniform and standard grades and sizes that will be maintained until the lumber is finally put into the use for which it is intended. In other words, we expect to take any degrades caused by seasoning or dressing at the mill.

Grades—Our lumber will be graded in full keeping with the STANDARD GRADING RULES of the West Coast Lumbermen's Association. When lumber is shipped, it will be FULLY SEASONED and in STANDARD SIZES after seasoning.

We shall maintain the same high standard of manufacture, seasoning, grading and sorting that we have used satisfactorily in the South for more than thirty years.

CENTRAL COAL & COKE COMPANY

General Offices:

KANSAS CITY

MISSOURI

Branch Sales Offices:

ST. LOUIS, MO.
CHICAGO, ILL.
CLEVELAND, OHIO

INDIANAPOLIS, IND.
HOUSTON, TEXAS
DALLAS, TEXAS

Manufacturers:

SOUTHERN PINE Long and Short Leaf
OLD GROWTH YELLOW FIR



